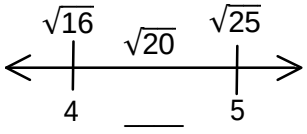
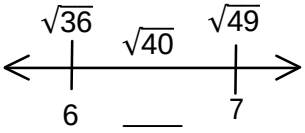
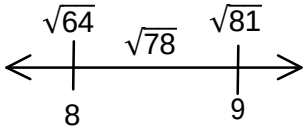
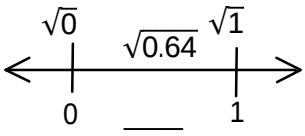
M8 - 3.1 - Estimating Square/Roots with Number Lines WS

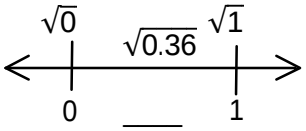
Estimate the square root of the given number to one decimal place.

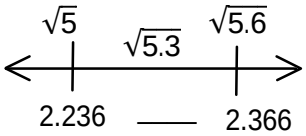




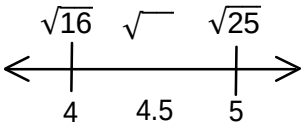


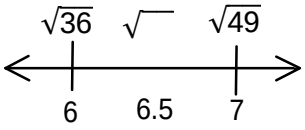


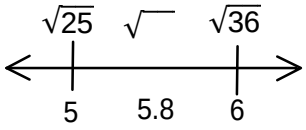


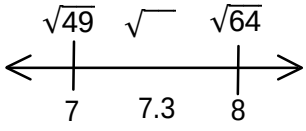


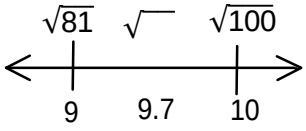
Estimate the square of the given number to two decimal places.

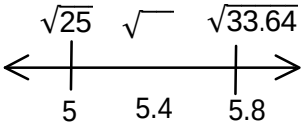












Between what consecutive whole numbers are the following square roots?

$\sqrt{5}$ $\sqrt{15}$ $\sqrt{110}$ $\sqrt{19}$

$\sqrt{11}$ $\sqrt{7}$ $\sqrt{39}$ $\sqrt{30}$

$\sqrt{52}$ $\sqrt{89}$

M8 - 3.1 - Estimating Square/Square Roots RVW

Estimate the square root.

$\sqrt{50}$ = $\sqrt{40}$ = $\sqrt{81}$ = $\sqrt{35}$ =

$\sqrt{64}$ = $\sqrt{77}$ = $\sqrt{20}$ = $\sqrt{0.81}$ =

Estimate the square.

3.1^2 = 3.5^2 = 5.6^2 = 8.4^2 =

7.6^2 = 15^2 = 26^2 = 2.2^2 =

1.7^2 =

M8 - 3.1 - Solving Roots Prime Factorization HW

$\sqrt{9}$ = $\sqrt{25}$ = $\sqrt{49}$ = $\sqrt{4}$ =

$\sqrt{1}$ = $\sqrt{81}$ = $\sqrt{16}$ = $\sqrt{64}$ =

$\sqrt{121}$ = $\sqrt{100}$ = $\sqrt{144}$ = $\sqrt{36}$ =

$\sqrt[3]{8}$ = $\sqrt[3]{27}$ = $\sqrt[3]{125}$ = $\sqrt[3]{64}$ =

$\sqrt[3]{125}$ = $\sqrt[3]{216}$

M8 - 3.1 - Solving Roots Calculator WS

Solve using your calculator.

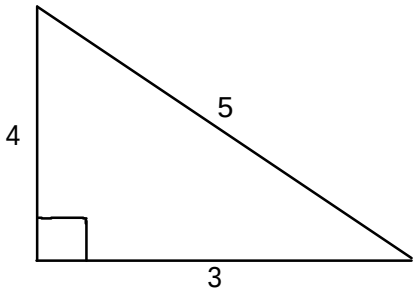
$\sqrt{25}$ =	$\sqrt{49}$ =	$\sqrt{64}$ =	$\sqrt{16}$ =
$\sqrt{100}$ =	$\sqrt{9}$ =	$\sqrt{121}$ =	$\sqrt{1}$ =
$\sqrt{36}$ =	$\sqrt{400}$ =	$\sqrt{4}$ =	$\sqrt{196}$ =
$\sqrt{144}$ =	$\sqrt{256}$ =	$\sqrt{81}$ =	$\sqrt{225}$ =
$\sqrt{324}$ =	$\sqrt{169}$ =	$\sqrt{784}$ =	$\sqrt{484}$ =
$\sqrt{676}$ =	$\sqrt{576}$ =	$\sqrt{729}$ =	$\sqrt{529}$ =
$\sqrt{361}$ =	$\sqrt{289}$ =	$\sqrt{625}$ =	$\sqrt{441}$ =

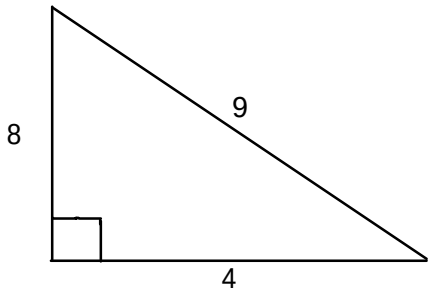
Solve using your calculator.

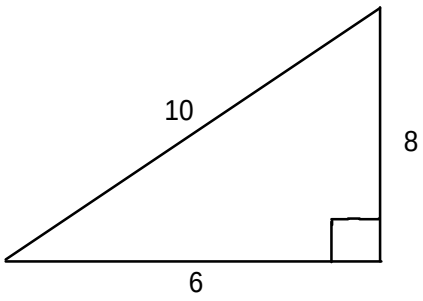
$\sqrt[3]{8}$ =	$\sqrt[3]{729}$ =	$\sqrt[3]{27}$ =	$\sqrt[3]{64}$ =
$\sqrt[3]{216}$ =	$\sqrt[3]{1}$ =	$\sqrt[3]{343}$ =	$\sqrt[3]{125}$ =
$\sqrt[3]{512}$ =	$\sqrt[3]{8000}$ =	$\sqrt[3]{2744}$ =	$\sqrt[3]{1331}$ =
$\sqrt[3]{13824}$ =	$\sqrt[3]{10648}$ =	$\sqrt[3]{12167}$ =	$\sqrt[3]{6859}$ =
$\sqrt[3]{1728}$ =	$\sqrt[3]{9261}$ =	$\sqrt[3]{4096}$ =	$\sqrt[3]{3375}$ =
$\sqrt[3]{5832}$ =	$\sqrt[3]{21952}$ =	$\sqrt[3]{17576}$ =	$\sqrt[3]{19683}$ =
$\sqrt[3]{2197}$ =	$\sqrt[3]{4913}$ =	$\sqrt[3]{15625}$ =	$\sqrt[3]{1000}$ =

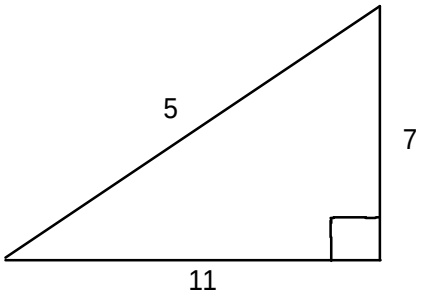
M8 - 3.2 - Identifying a, b and c WS

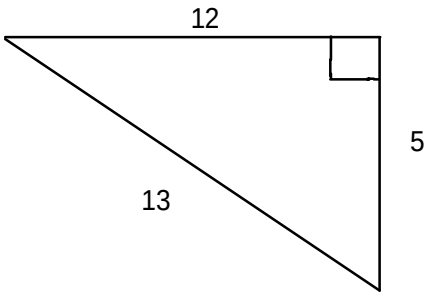
Label the triangle a, b, c, appropriately.

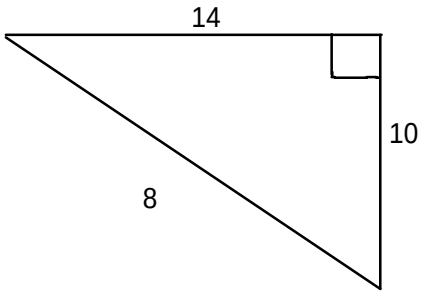


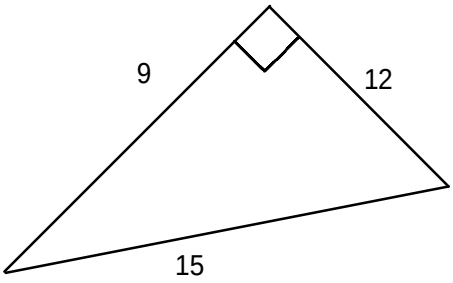


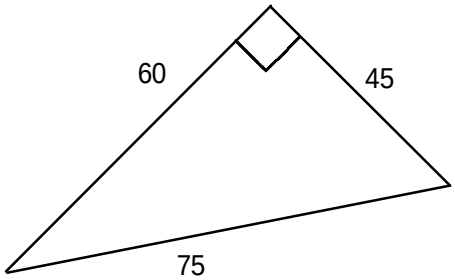


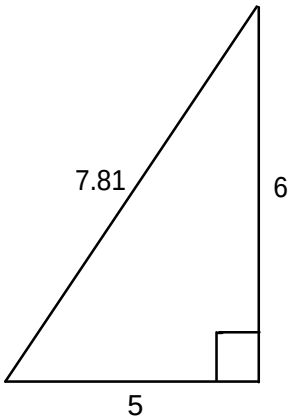


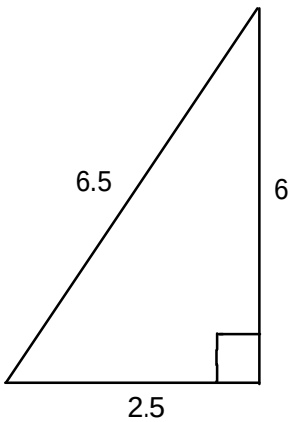








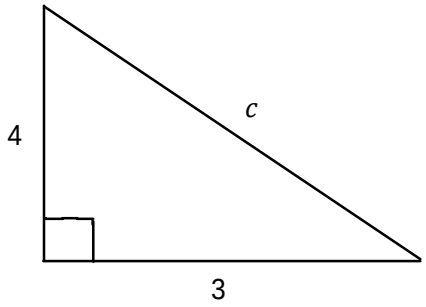


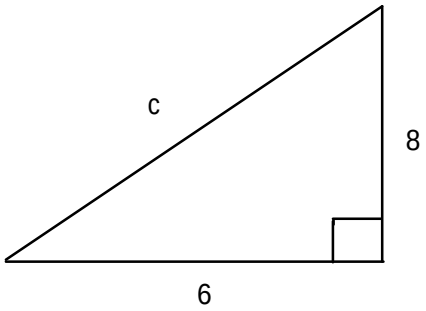


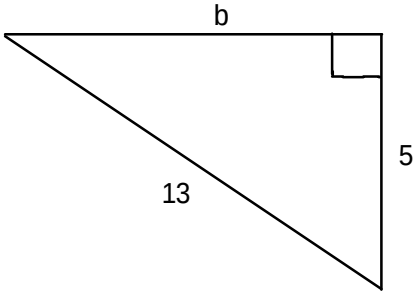
M8 - 3.2 - Pythagoras' Theorem WS

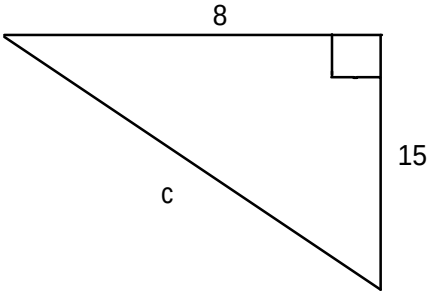
Using Pythagoras' Theorem, find the missing side.

Pythagoras' Theorem: $a^2 + b^2 = c^2$









M8 - 3.2 - Pythagoras' Theorem Calc WS

Using Pythagoras' Theorem, find the missing side.

Pythagoras' Theorem: $a^2 + b^2 = c^2$