$-3 \cdot 6 = \boxed{-9}$

$-2 \div 2 = \boxed{-1}$

$\sqrt{270}$

$9 \quad 3$

$3 \quad 3$

$\rightarrow \boxed{3\sqrt{30}}$

$-\frac{5}{4} \div \frac{4}{3}$

$-\frac{5}{4} \cdot \frac{3}{4} = \boxed{-\frac{15}{16}}$

$1 \times (-4 + (-8))$

$1 \times (-4 - 8)$

$1 \cdot -12$

$\boxed{-12}$

$-\frac{5}{8} + \left(-\frac{8}{5}\right)$

$-\frac{5 \cdot 5}{8 \cdot 5} - \frac{8 \cdot 8}{5 \cdot 8} \Rightarrow -\frac{25}{40} - \frac{64}{40} = \frac{-25-64}{40} = \boxed{-\frac{89}{40}}$

$$-\frac{4}{3} \cdot \frac{9}{5} = -\frac{36}{15} = \boxed{-\frac{12}{5}}$$

$$\frac{9}{5} - \left(-\frac{6}{10}\right)$$

$$\frac{9 \cdot 2}{5 \cdot 2} + \frac{6}{10}$$

$$\frac{18}{10} + \frac{6}{10} = \frac{24}{10} \quad \left(\frac{24/2}{10/2}\right) = \boxed{\frac{12}{5}}$$

$$\frac{5}{X} = \frac{1}{5} \qquad 5 \cdot 5 = 25/1 = \boxed{25}$$

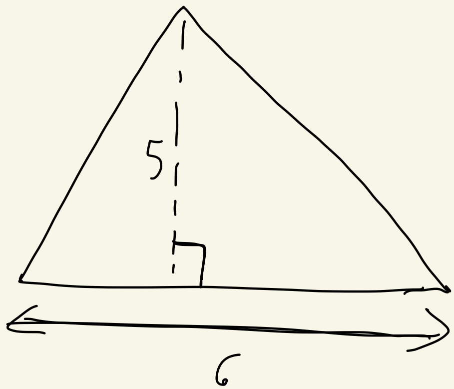
$$36 \overline{)1296} = 36$$

$$\begin{array}{r} 36 \\ 36\,)\,1296 \\ -108\downarrow \\ \hline 216 \end{array}$$

$$\begin{array}{r} 2.830 \\ -0.772 \\ \hline 2.058 \end{array}$$

$$\begin{array}{r} 0.422 \\ +7.410 \\ \hline 7.832 \end{array}$$

$$\begin{array}{r} 57.348 \\ -\ \ 6.332 \\ \hline 51.016 \end{array}$$



$\frac{1}{2}bh$

$$\frac{1}{2}bh = \frac{1}{2}(6)(5) = \frac{1}{2}(30)$$

$$= \boxed{15}$$

$d = 14 \quad r = 7$

$$A = \pi r^2$$
$$= \pi(7)^2$$
$$= \pi(49)$$
$$= 49\pi$$

$C = 2\pi r$

$37.68 = 2\pi r$

$37.68 = 2(3.14)r$

$\frac{37.68}{6.28} = \frac{6.28r}{6.28}$

$6 = r$

$A = \pi r^2$

$A = \pi (6)^2$

$= 36\pi$

$= 36(3.14)$

$= \boxed{113.04}$

Unit Test

$10(3)^2$

$10(9) = \boxed{90}$

$\frac{5}{3} \cdot \left(-\frac{6}{7}\right) = -\frac{30}{21} = -\frac{30/3}{21/3}$

$= \boxed{-\frac{10}{7}}$

$\frac{1}{2}bh = \frac{1}{2}(4)(5) = \frac{1}{2}(20) = \boxed{10}$

51.680

-00.624

$50.976 = \boxed{50.976}$

$-8 - (-2+7)^2$

$-8 - (5)^2$

$-8 - 25$

$\boxed{-33}$

$-\frac{7 \cdot 2}{12 \cdot 2} + \frac{3 \cdot 3}{8 \cdot 3}$

$-\frac{14}{24} + \frac{9}{24} = \boxed{-\frac{5}{24}}$

$-\frac{3}{2} \div \frac{7}{4}$

$-\frac{3}{2} \cdot \frac{4}{7} = -\frac{12}{14} = \boxed{-\frac{6}{7}}$

$A = \pi r^2 = \pi(8)^2 = \boxed{64\pi}$

$r = 8$

$$\begin{array}{r} 63.284 \\ +\ 27.000 \\ \hline 90.284 \end{array}$$

$\sqrt{200y^4}$

$20 \quad 10$

$4 \quad (5 \quad 5)^2$

$(2 \quad 2)$

$5 \cdot 2\sqrt{2y^4}$

$10\sqrt{2y^4}$

$\boxed{10y^2\sqrt{2}}$

$\frac{390.4}{1} \div \frac{61}{100}$

$\frac{390.4}{1} \cdot \frac{100}{61} = \frac{39040}{61} = \boxed{640}$