

$$a^2 + b^2 = c^2$$

$$(\text{leg})^2 + (\text{leg})^2 = (\text{hypotenuse})^2$$

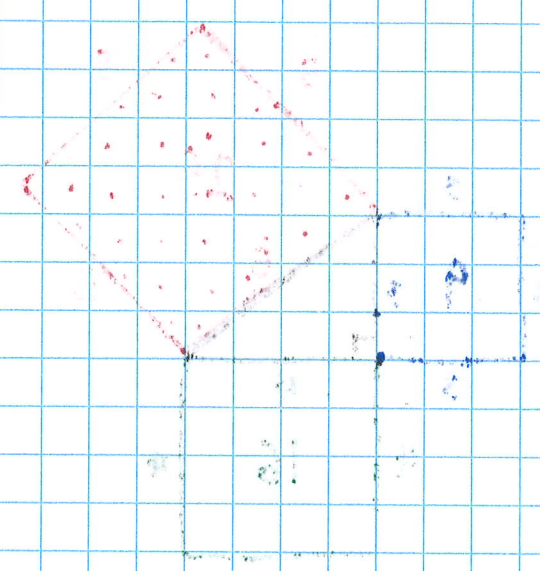
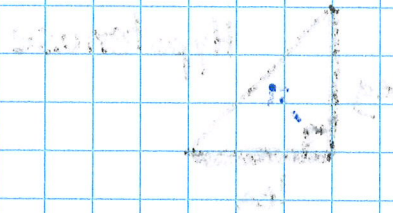
$$9 + 16$$

$$25 = (\text{hypotenuse})^2$$

$$\sqrt{25} = \sqrt{(\text{hypotenuse})^2}$$

$$\sqrt{25} = \text{hypotenuse}$$

$$5 = \text{hypotenuse}$$



(1) $\frac{1}{2} \times 2 \times 2 = 2$
 (2) $\frac{1}{2} \times 4 \times 4 = 8$
 (3) $\frac{1}{2} \times 6 \times 6 = 18$
 (4) $\frac{1}{2} \times 8 \times 8 = 32$
 (5) $\frac{1}{2} \times 10 \times 10 = 50$
 (6) $\frac{1}{2} \times 12 \times 12 = 72$
 (7) $\frac{1}{2} \times 14 \times 14 = 98$
 (8) $\frac{1}{2} \times 16 \times 16 = 128$
 (9) $\frac{1}{2} \times 18 \times 18 = 162$
 (10) $\frac{1}{2} \times 20 \times 20 = 200$