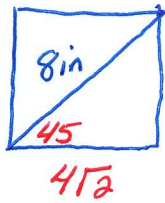


ex 1 Square

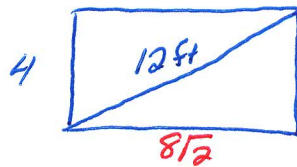


$$P = 16\sqrt{2} \text{ in}$$

$$A = (4\sqrt{2})^2$$

$$16 \cdot 2 = 32 \text{ in}^2$$

ex 2 Rect



$$P = 8 + 16\sqrt{2} \text{ ft}$$

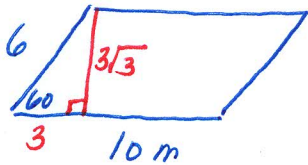
$$A =$$

$$4^2 + x^2 = 12^2$$

$$x^2 = 128$$

$$x = 8\sqrt{2}$$

ex 3 Parallelogram

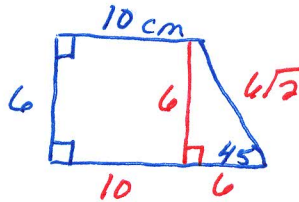


$$P = 32 \text{ m}$$

$$A = 3\sqrt{3}(10)$$

$$30\sqrt{3} \text{ m}^2$$

ex 4 Trapezoid



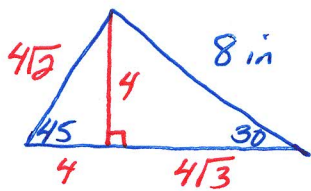
$$P = 32 + 6\sqrt{2} \text{ cm}$$

$$A = \frac{1}{2}(6)(10 + 16)$$

$$3(26)$$

$$A = 78 \text{ cm}^2$$

ex 5 Triangle



$$P = 12 + 4\sqrt{2} + 4\sqrt{3} \text{ in}$$

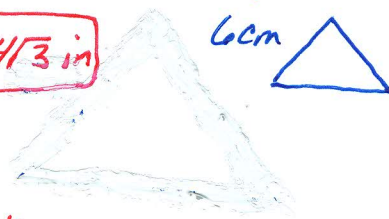
$$A = \frac{1}{2}bh$$

$$\frac{1}{2}(4 + 4\sqrt{3})4$$

$$2(4 + 4\sqrt{3})$$

$$A = 8 + 8\sqrt{3} \text{ in}^2$$

ex 6 Equilateral  $\Delta$

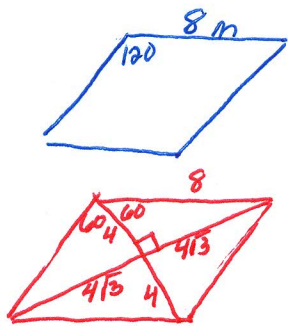


$$P = 18 \text{ cm}$$

$$A = \frac{6^2\sqrt{3}}{4} = \frac{36\sqrt{3}}{4}$$

$$A = 9\sqrt{3} \text{ cm}^2$$

ex 7 Rhombus



$$P = 32 \text{ m}$$

$$A = \frac{1}{2}(8)(8\sqrt{3})$$

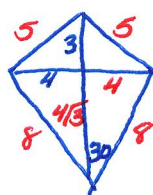
$$4(8\sqrt{3})$$

$$A = 32\sqrt{3} \text{ in}^2$$

$$d_1 = 8$$

$$d_2 = 8\sqrt{3}$$

ex 8 Kite



$$P = 26 \text{ u}$$

$$A = \frac{1}{2}(8)(3 + 4\sqrt{3})$$

$$4(3 + 4\sqrt{3})$$

$$A = 12 + 16\sqrt{3} \text{ u}^2$$

$$d_1 = 8$$

$$d_2 = 3 + 4\sqrt{3}$$