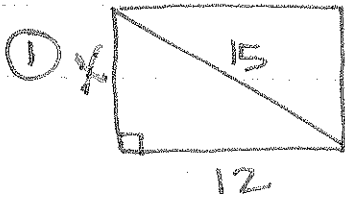


REVIEW



$$A = bh$$

$$= 9 \cdot 12$$

$$= 108 \text{ cm}^2$$

$$a^2 + b^2 = c^2 \quad \text{OR } 9, 12, 15$$

$$x^2 + 12^2 = 15^2$$

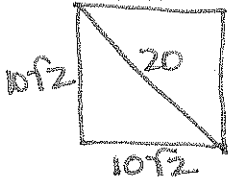
$$x = 9$$

$$x = \sqrt{225 - 144}$$

$$x = \sqrt{81}$$

$$x = \pm 9$$

2) SQUARE ABCD



$$A = s^2$$

$$A = (10\sqrt{2})^2$$

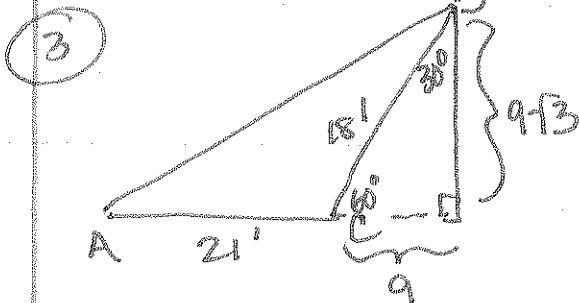
$$= 100 \cdot 2$$

$$= 200 \text{ cm}^2$$

$$\text{OR } A = \frac{1}{2} d_1 \cdot d_2$$

$$= \frac{1}{2} (20)(20)$$

$$= 200$$



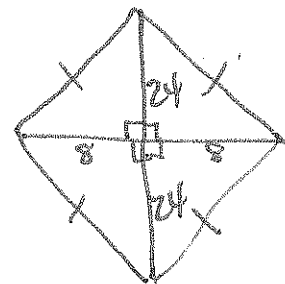
$$A = \frac{1}{2} bh$$

$$= \frac{1}{2} (21)(9\sqrt{3})$$

$$= 94.5\sqrt{3} \text{ ft}^2$$

$$(94.5\sqrt{3} \text{ ft}^2)$$

2\frac{1}{2} RHOMBUS



$$A_{\text{RHOMBUS}} = 4 \cdot A_{\text{TRIANGLE}}$$

$$= 4 \cdot \frac{1}{2} (8)(12)$$

$$= 4 \cdot 48$$

$$= 384 \text{ cm}^2$$

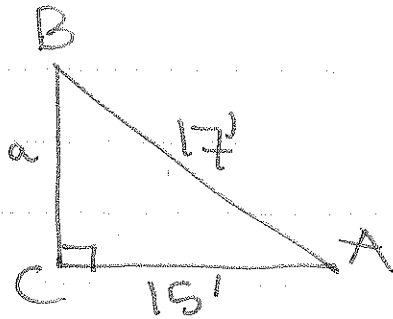
OR

$$A = \frac{1}{2} d_1 \cdot d_2$$

$$= \frac{1}{2} (16)(48)$$

$$= 384$$

4



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

$$a^2 + 15^2 = 17^2$$

$$a = \pm \sqrt{289 - 225}$$

$$a = \pm \sqrt{64}$$

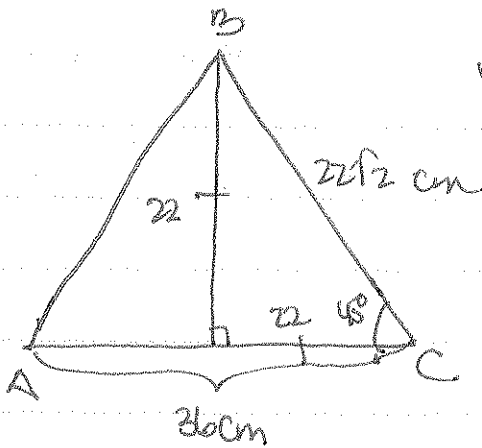
$$= \pm 8$$

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

$$A = \frac{1}{2} (8)(15)$$

$$= 60 \text{ ft}^2$$

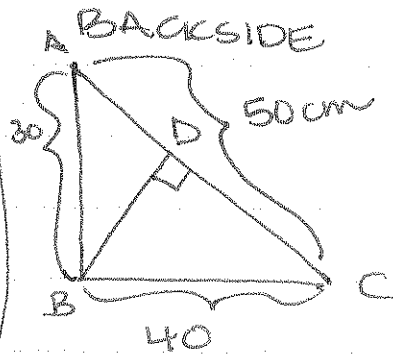
5



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

$$= \frac{1}{2} (36)(22)$$

$$= 396 \text{ cm}^2$$



BC = 40 AS IT IS A 3-4-5 TRIANGLE \square

$$50^2 = 30^2 + b^2$$

$$2500 - 900 = b^2$$

$$1600 = b^2$$

$$\pm \sqrt{1600} = b$$

$$\pm 40 = b$$

$$m\overline{BD} = 24 \text{ cm}$$

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

$$= \frac{1}{2} (30)(40)$$

$$= 600 \text{ cm}^2$$

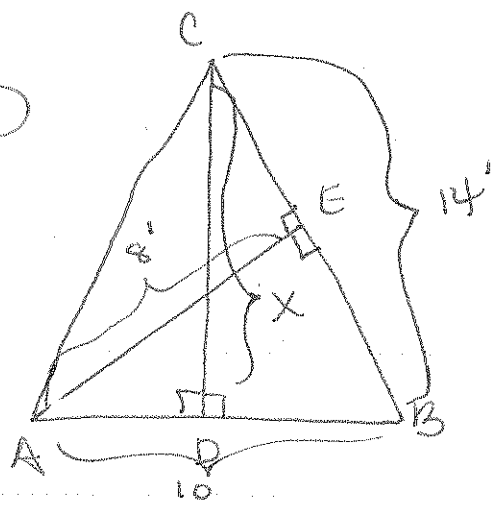
$$A = \frac{1}{2} bh$$

$$60 = \frac{1}{2} (50) h$$

$$\frac{60}{25} = h$$

$$h = 2.4$$

6



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

$$= \frac{1}{2}(14)(8)$$

$$= 56 \text{ ft.}^2$$

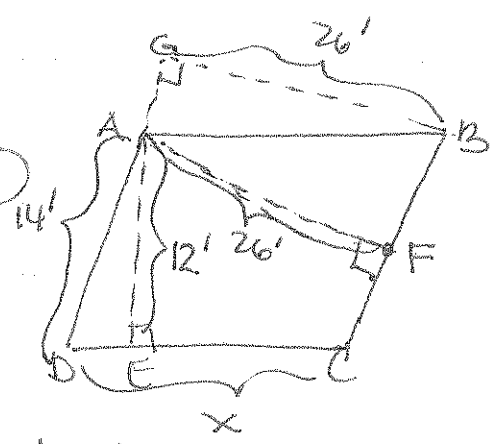
$$56 = \frac{1}{2}(10)(\cancel{12})$$

$$\frac{56}{5} = \cancel{12}$$

$$11.2 = x$$

$$\overline{CD} = 11.2 \text{ ft}$$

7



$$A = bh$$

$$= 14(26)$$

$$= 364 \text{ ft}^2$$

$$364 = x(12)$$

$$30\frac{1}{3} = x$$

Since $\overline{CD} \cong \overline{AB}$, $\overline{AB} = 30\frac{1}{3} \text{ ft}$