

CHECK ANSWERS: ch.4

#1-4, 8 (on resource page)

not factorable

$$(x + 4)(y + x + 2)$$

$$18x^2 + 9x - 2$$

$$xy + x^2 + 6x + 4y + 8$$

$$(2x + 1)(3x + 2)$$

$$(2x + y)(y + 3)$$

$$(2x + 3)(x + 2)$$

$$(3x + 1)(2x + 5)$$

$$(4x - 3)(3x + 4)$$

$$(5x - 2)(y + 3)$$

$$12x^2 + 7x - 12$$

$$6x^2 + 17x + 5$$

$$5xy + 15x - 2y - 6$$

$$3x(3xy + 4 + y)$$

$$4(x + 2)$$

$$2x(x - 4)$$

$$5(2x + 5y + 1)$$

diagonals have equal products

$$\text{diagonals} = -30xy$$

$$\text{diagonals} = 30x^2$$

$$\text{diagonals} = -144x^2$$

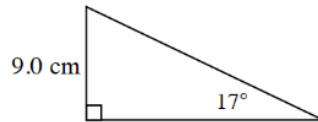
#9-11 (show work on this sheet)

$$1 \text{ or } 100\% \quad \frac{3}{20} \text{ or } 15\% \quad \frac{3}{4} \text{ or } 75\% \quad \text{solve } \tan 17^\circ = \frac{9.0}{x}, \text{ then use pyth thm}$$

union intersection no yes yes yes

leg ≈ 29.4 , hypotenuse ≈ 30.8 , so $P \approx 69.2$

#4-9 Find Perimeter. Show all steps!!



#4-10a-d Function or not? See graphs in book.

#4-11a-d Find probability of each event. Show work!!