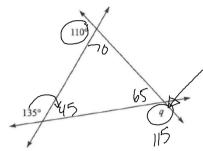
9. What is the value of |4-x| if x=7?

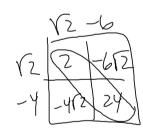


10. In the figure below, where the triangle is created by 3 lines that intersect at the angles indicated, the measure of angle q = ?



A. F. 45°
B. G. 65°
C. H. 70°
D. J. 110°
E. K. 115°

- 11. $(\sqrt{2}-6)(\sqrt{2}-4)=3$
 - A. $10\sqrt{2-22}$
 - **B.** $12\sqrt{2+24}$
 - C. $24 \sqrt{2}$
 - **D.** $26 10\sqrt{2}$
 - **E.** $10 11\sqrt{2}$



12. For all real numbers x and y, $(x-3y)^2 = ?$ F. $\frac{2x-6y}{G. x^2-6xy+9y^2}$ H. $\frac{x^2-9y^2}{4. x^2-9x^2y^2-9y^2}$ K. $\frac{x^2+9xy+9y^2}{4. x^2+9xy+9y^2}$ $\frac{2x-6y}{4. x^2-9x^2y^2-9y^2}$ $\frac{2x-6y}{4. x^2-9x^2y^2-9y^2}$

13. If (x is an odd integer greater than 5), what is the next greater odd integer in terms of x?

_			
A.	x +	2	X
B	vI	2	_,

B.
$$x+3$$

C. $x+5$

- **D.** 3x **E.** x^2

15. Anne is 3 times as old as Kyle. If their combined age is 24, how old is Anne?

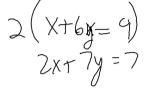
$$A = 3k$$
 $A + k = 24$
 $3k + k = 34$
 $4k = 34$
 $k = 6$

14. Which of the following has the same graph as

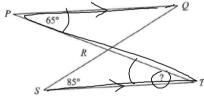
B. G. 2x + 10y = 5

C. H. 3x + v = 8

E. K. x - 8y = -3



16. In the figure below, the 2 intersecting lines QS and PT form triangles PRQ and SRT. Lines PQ and STare parallel. If angle P is 65° and angle S is 85° , what is the measure of angle T?



A. F. 45° B. G. 55° C. H. 65°

D. J. 75° E. K. 85°

17. Carrie has \$7 less than does her brother, Steve, who has d dollars. Carrie does not spend any money and earns \$3. Which of the following is an expression for the amount of money, in dollars, that Carrie has?

A.
$$(d-7)+2$$

B. $d+4$
C. $d-(7+3)$
D. $d-4$
E. $d-7$

$$C = S - 7)43$$

19. Of the following, which is the smallest integer, x, satisfying the condition that $(-\sqrt{8}) + x$ is negative?

A. 2 B. 3 C. 4 D. 5

E. 6

18. If 0.2a + 1.8 = a - 2.2, then a = ?A. F. 4^{2q} -2q

B. G. 5

B. G. 5 C. H. 8

D. J. 12 (.8 = .8a - 2.2)E. K. 20 + 2.2

y = .8a

20. Jennifer cut a ribbon 30 inches long into 2 pieces. The ratio of the lengths of the 2 pieces is 2:3. What is the length, to the nearest inch, of the longer piece?

A. F. 5 B. G. 6

C. H. 12

D. J. 15 E. K. 18

