1. In the figure above, $b =$
   (A) 20
   (B) 30
   (C) 40
   (D) 45
   (E) 180
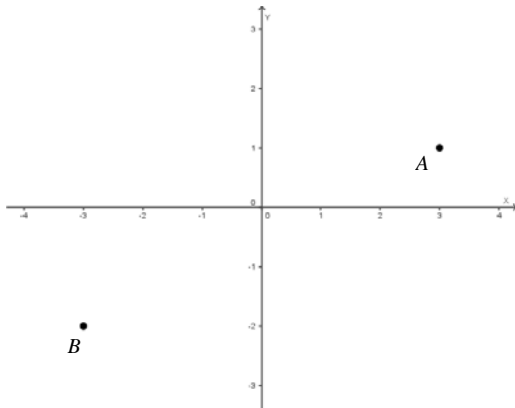
2. The *x*-coordinate of Point *A* minus the *y*-coordinate of Point *B* equals
   (A) -2
   (B) -1
   (C) 0
   (D) 3
   (E) 5
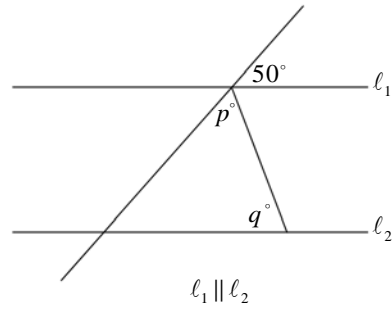
$\ell_1 \parallel \ell_2$
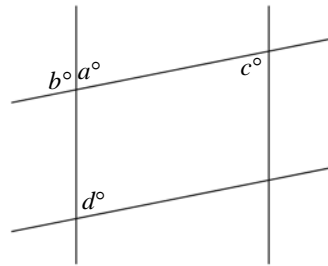Note: Figure not drawn to scale.

3. In the figure above, $p + q =$
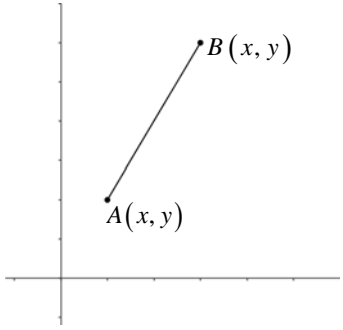   (A) 180   (B) 150   (C) 130   (D) 90   (E) 70
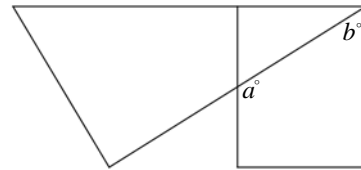
4. The figure above is formed by a triangle overlapping a rectangle. What does $a + b$ equal?
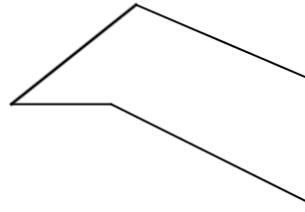   (A) 80   (B) 90   (C) 150   (D) 180   (E) 270

Note: Figure not drawn to scale.

5. Which of the following statements must be true?
   I. $a + b < 180$
   II. $a + d = 180$
   III. $a + d > 180$
   (A) None
   (B) I only
   (C) II only
   (D) I and II only
   (E) II and III only

6. If the coordinates of Point A are $(1,2)$, what is the slope of line AB?

(A) -3

(B) -2

(C) $\dfrac{1}{2}$

(D) 2

(E) 3

7. What is the total number of degrees of the <u>interior</u> angles in the figure above?

(A) 180

(B) 270

(C) 360

(D) 540

(E) 720