1

If v and w are different integers, does v=0?

(1) vw = v^2

(2) w = 2

2

If x(x - 5)(x + 2) = 0, is x negative?

(1) x^2 – 7x ≠ 0
(2) x^2 -2x -15 ≠ 0

3

If xy > 0, does xy – y = 3?

(1) xy = 3
(2) y – 1 = 0

4

For integers a and b, if (a^3 – a^2 – b)^1/2 = 7, what is the value of a?

(1) a^2 - a = 12

(2) b^2 - b = 2

5

If x and y are positive integers and $y = \sqrt{9-x}$, what is the value of y?

(1) x < 8
(2) y > 1