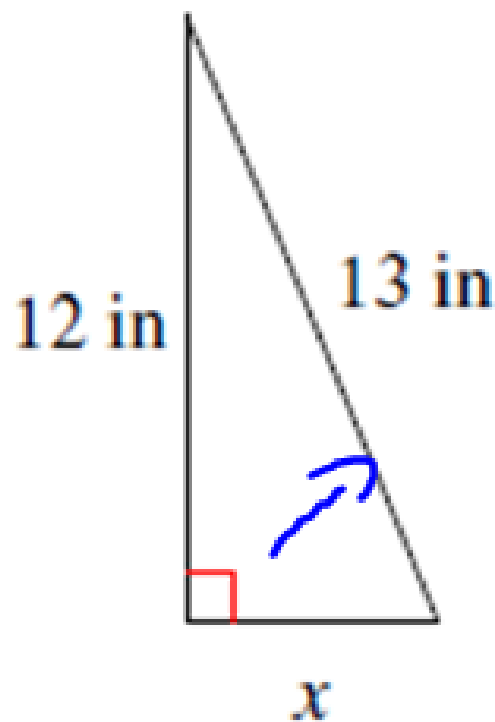


Take out yesterday's
Homework

Pythagorean Theorem

- only when you have a r. Δ

1)



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

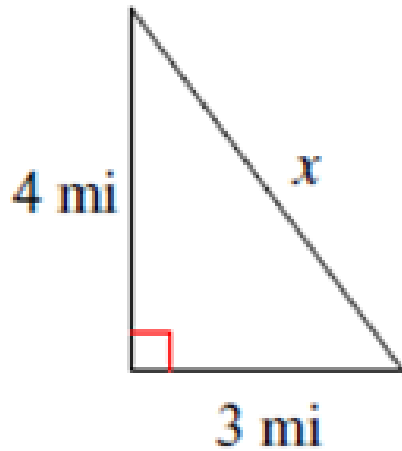
sides

hypotenuse

$$\begin{aligned} 12^2 + x^2 &= 13^2 && \text{opp. r. } \Delta \\ 144 + x^2 &= 169 \\ -144 & \quad -144 && \end{aligned}$$

$\sqrt{x^2} = \sqrt{25}$
 $x = 5$

2)



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

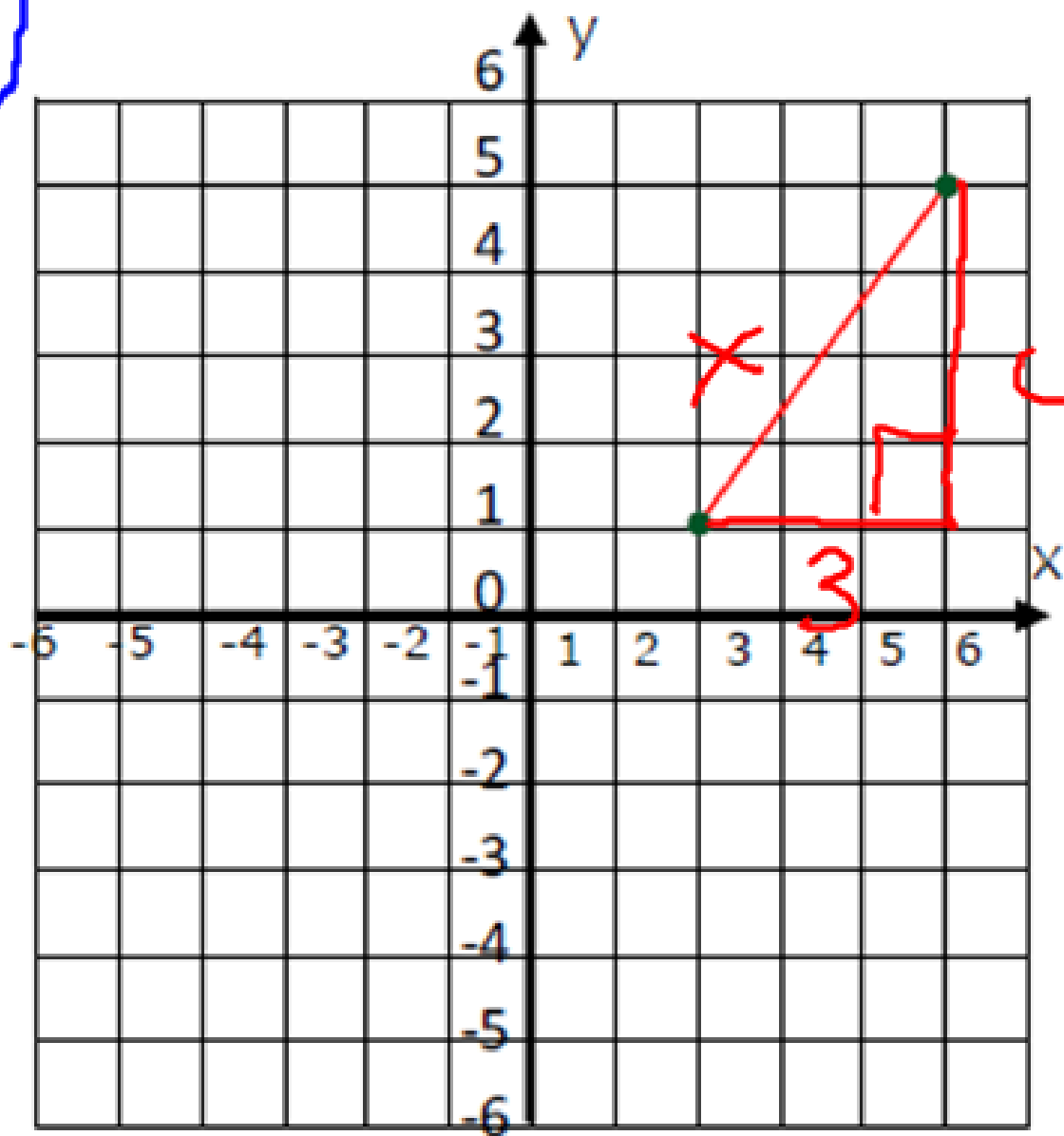
$$4^2 + 3^2 = x^2$$

$$16 + 9 = x^2$$

$$\sqrt{25} = \sqrt{x^2}$$

$$5 = x$$

1)



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

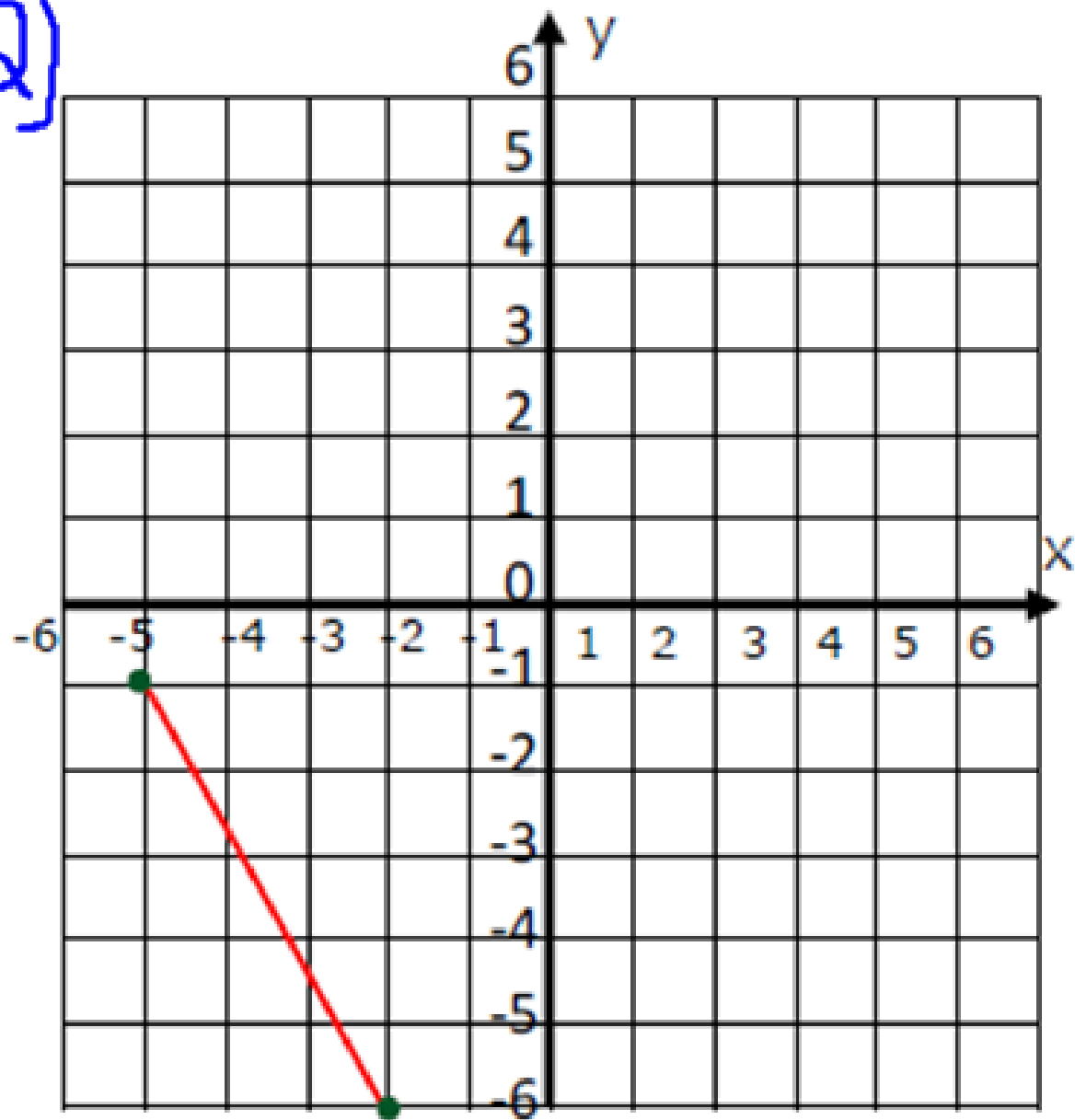
$$3^2 + 4^2 = x^2$$

$$9 + 16 = x^2$$

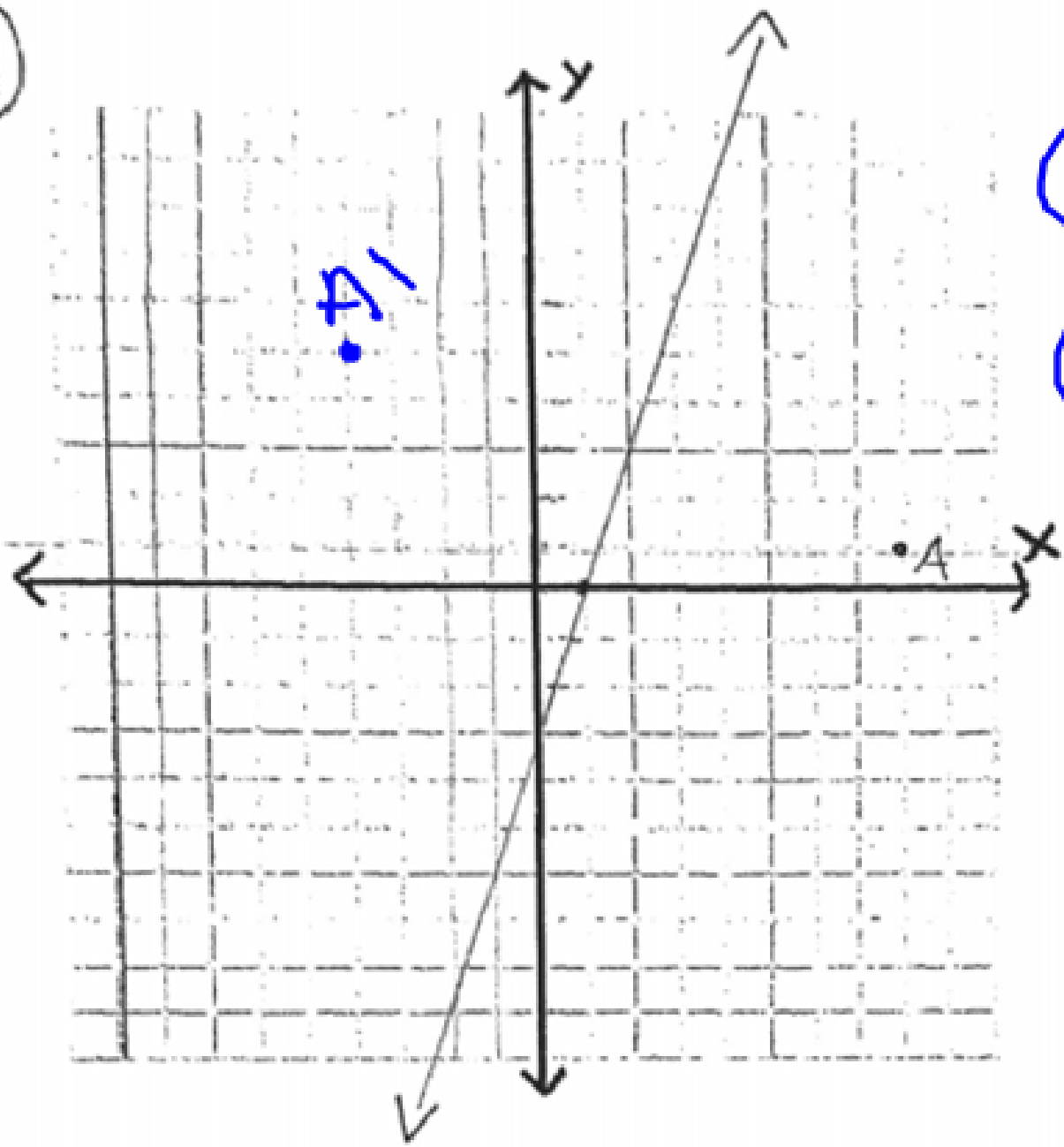
$$\sqrt{25} = \sqrt{x^2}$$

$$5 = x$$

2)



1)



①

$m = 1.5$

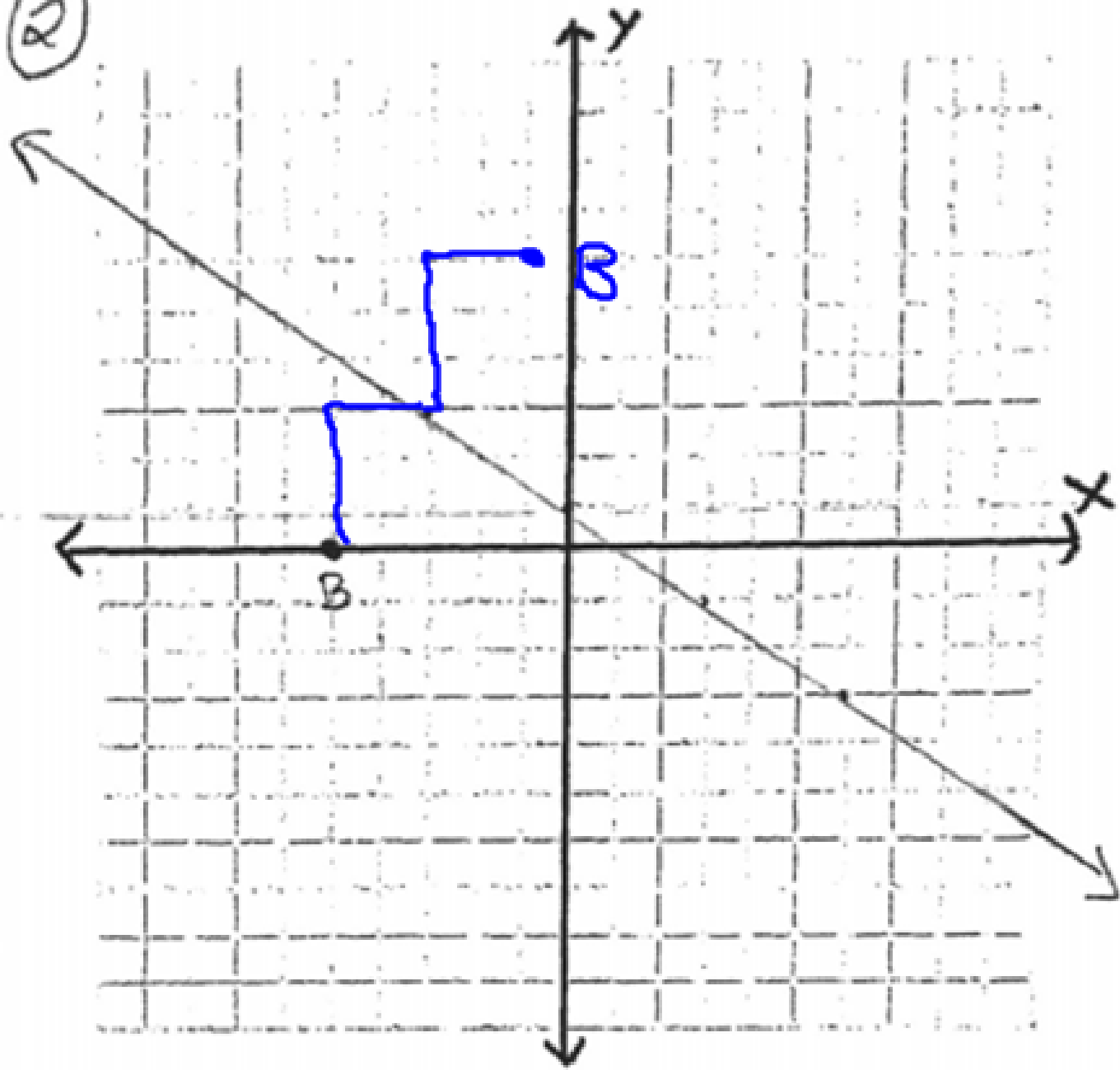
$n = -10$

②

$m = 1.5$

$n = 10$

(1)



- (1) $z = 11$
 - (2) $z = 11$
- परिवर्तन