

2A1a

Review up to 3A

100% mistakes 0	~90% 1	~80% 2~3	~70% 4	69%~ 5~
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Name _____

Date / /

Time : to :

◆ Add.

(1) | + | =

(2) 3 + | =

(3) 4 + | =

(4) 6 + | =

(5) 5 + | =

(6) 7 + | =

(7) 8 + | =

(8) 10 + | =

Points and Lines 3

Name _____

Date / /

Time : to :

100% (mistakes) 0	~90% —	~80% —	~70% 1	69%~ 2~
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Ex. Find the coordinates of point P which is on the x -axis and at a distance of $\sqrt{5}$ units from line $2x - y + 1 = 0$.

[Sol] Let P be $P(p, 0)$.

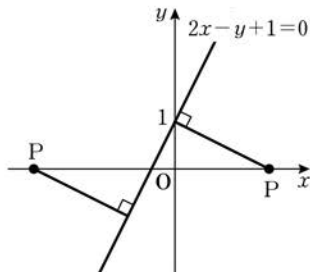
$$\sqrt{5} = \frac{|2 \cdot p - 0 + 1|}{\sqrt{2^2 + (-1)^2}}$$

$$\therefore |2p + 1| = 5$$

$$p = 2, -3$$

$$\therefore P(2, 0), (-3, 0)$$

$$2p + 1 = \pm 5$$



1. Find the coordinates of point P which is on the x -axis and at a distance of $\sqrt{10}$ units from line $3x - y + 2 = 0$.

2. Find the coordinates of point P which is on the y -axis and at a distance of 2 units from line $3x + 2y - 6 = 0$.