

PC11 Types of Numbers Assignment Solutions

1. Is 0 a natural number?

No

2. Is rational?

a. 4.5
Yes $\frac{9}{2}$

b. $\frac{\pi}{2}$
No

c. 7
Yes

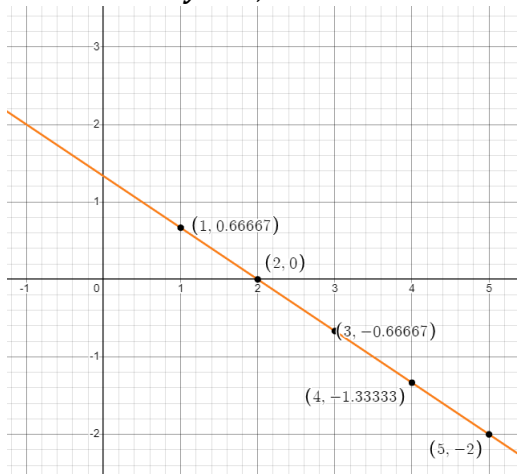
d. $2.\bar{5}$
Yes

e. $\sqrt{289}$
 $= 17$
Yes

3. Write $0.\bar{4}$ in the form $\frac{a}{b}$

$\frac{4}{9}$

4. Sketch $2x + 3y = 4, x \in \mathbb{Z}^+$



5. Is 1 a prime number?

No

6. Is -216 a perfect cube?

Yes