3.3 – Practice

1. Find the slope of the line passing through $(-3, -2)$ and $(2, 5)$.

2. Find the slope of the line passing through $(-6, -3)$ and $(4, -3)$.

3. Find the slope of the line passing through $(3, 1)$ and $(3, -5)$.

4. Find the slope of the line: $5x + 2y = 7$

5. Determine whether the following pair of lines is parallel, perpendicular, or neither.

$3x - 5y = -1$
$5x + 3y = 2$

6. Determine whether the following pair of lines is parallel, perpendicular, or neither.

$y = -5x + 2$
$y = -5x - 3$

Q: The following number is the only one of its kind. 8,549,176,320 Can you figure out what is so special about it?