

$$a) \text{ counting} \Rightarrow -\frac{8}{20} = -\frac{2}{5}$$

$$(-7, 20) \text{ and } (13, 12) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{20 - 12}{-7 - 13} = \frac{8}{-20} = -\frac{2}{5}$$

$$b) \text{ counting} \Rightarrow \frac{15}{11}$$

$$(-13, 2) \text{ and } (-2, 17) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 17}{-13 - (-2)} = \frac{-15}{-13 + 2} = -\frac{-15}{-11} = \frac{15}{11}$$

$$c) \text{ counting} \Rightarrow -\frac{14}{15}$$

$$(-4, 12) \text{ and } (11, -2) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{12 - (-2)}{-4 - 11} = \frac{12 + 2}{-15} = -\frac{14}{15}$$

$$d) \text{ counting} \Rightarrow \frac{6}{16} = \frac{3}{8}$$

$$(-14, -2) \text{ and } (2, 4) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 4}{-14 - 2} = \frac{-6}{-16} = \frac{6}{16} = \frac{3}{8}$$

$$e) \text{ counting} \Rightarrow -\frac{3}{25}$$

$$(-11, -3) \text{ and } (14, -6) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - (-6)}{-11 - 14} = \frac{-3 + 6}{-25} = -\frac{3}{25}$$

$$f) \text{ counting} \Rightarrow \frac{2}{19}$$

$$(-12, -10) \text{ and } (7, -8) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-10 - (-8)}{-12 - 7} = \frac{-10 + 8}{-19} = \frac{-2}{-19} = \frac{2}{19}$$

$$g) \text{ counting} \Rightarrow \frac{8}{27}$$

$$(-13, -17) \text{ and } (14, -9) \Rightarrow m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-17 - (-9)}{-13 - 14} = \frac{-17 + 9}{-27} = -\frac{8}{27}$$