

4.4 Understand Slope of a Line

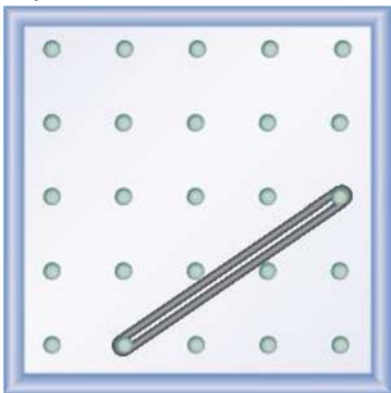
211. $\frac{1}{4}$

213. $\frac{2}{3}$

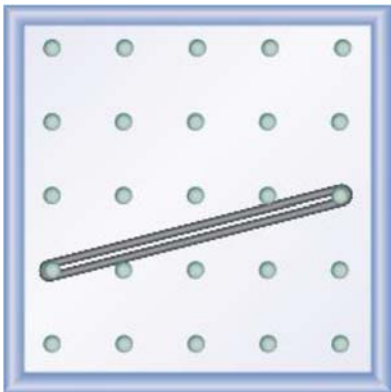
215. $-\frac{3}{2}$

217. $-\frac{2}{3}$

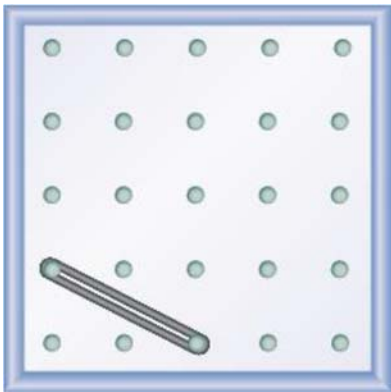
219.



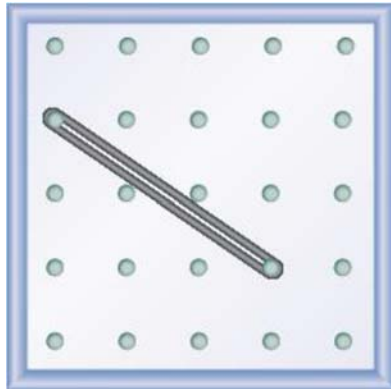
221.



223.



225.



227. $\frac{2}{5}$

229. $\frac{5}{4}$

231. $-\frac{1}{3}$

233. $-\frac{3}{4}$

235. $\frac{3}{4}$

237. $-\frac{5}{2}$

239. $-\frac{2}{3}$

241. $\frac{1}{4}$

243. 0

245. undefined

247. 0

249. undefined

251. $\frac{5}{2}$

253. $\frac{3}{4}$

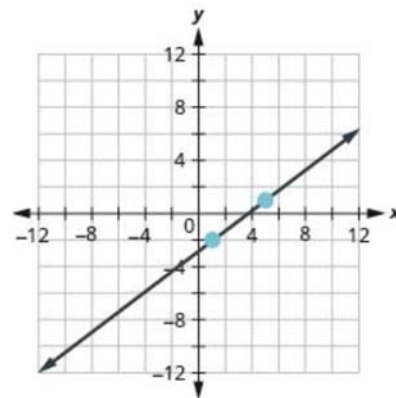
255. $-\frac{5}{2}$

257. $-\frac{8}{7}$

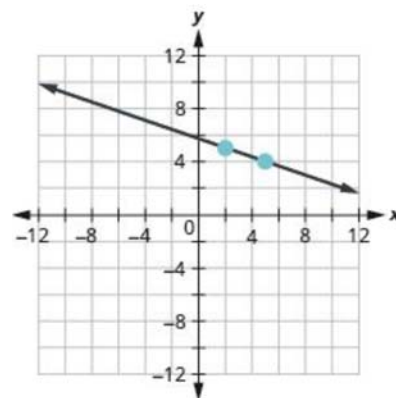
259. $\frac{7}{3}$

261. 1

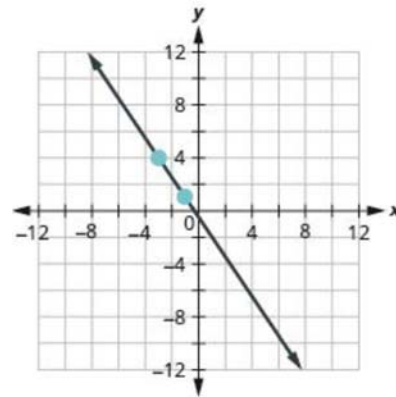
263.



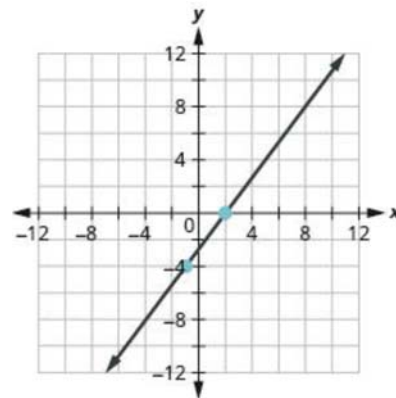
265.



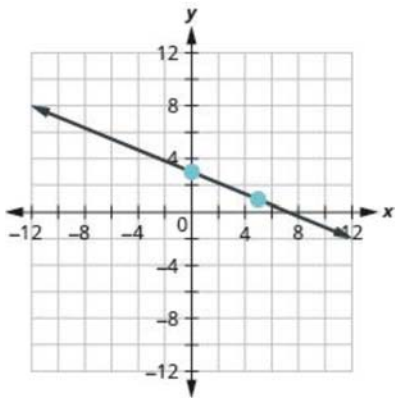
267.



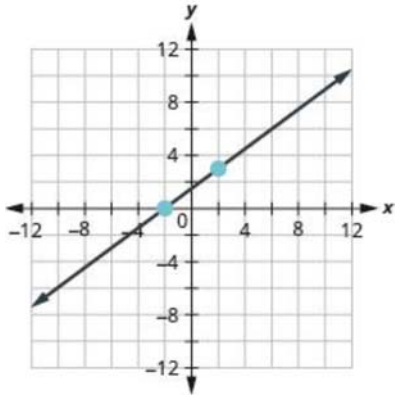
269.



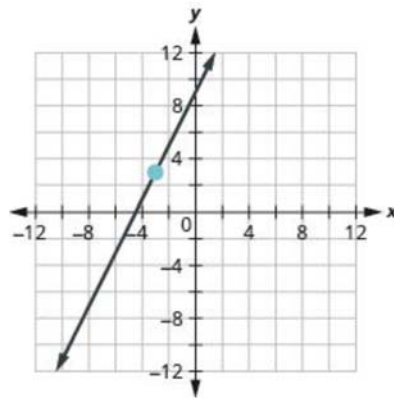
271.



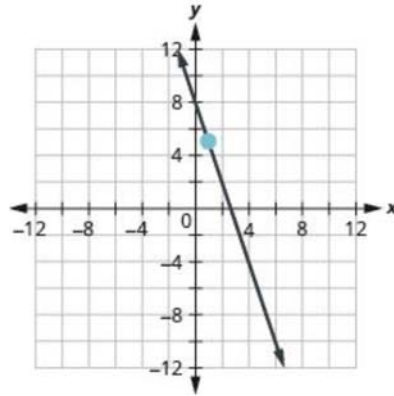
273.



275.



277.



279. (a) $\frac{1}{3}$ (b) 4 12 pitch or 4-in-

12 pitch

281. $\frac{3}{50}$; rise = 3, run = 50

283. (a) 288 inches (24 feet) (b) Models will vary.

285. When the slope is a positive number the line goes up from left to right. When the slope is a negative number the line goes down from left to right.

287. A vertical line has 0 run and since division by 0 is undefined the slope is undefined.