

ASSIGNED WORK

1) Determine the slope of the tangent to each curve at the given point.

a. $y = x^2 - 3x, (2, -2)$

d. $y = \sqrt{x - 7}, (16, 3)$

b. $f(x) = \frac{4}{x}, (-2, -2)$

e. $y = \sqrt{25 - x^2}, (3, 4)$

c. $y = 3x^3, (1, 3)$

f. $y = \frac{4 + x}{x - 2}, (8, 2)$

2) From the textbook: pg. 92 #1, 3, 5, 9-21 (odd only), 33, 35, 45

Answers

1) a. 1

d. $\frac{1}{6}$

b. -1

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

c. 9

f. $-\frac{1}{6}$