

**Sample Pre-calculus Skills Assessment– Answers**

1.  $f(-5) = 44$ .
2. The slope is  $-\frac{5}{3}$ .
3.  $x = 3$ .
4. (a) IV; (b) II; (c) I; (d) III.
5. (a) False; (b) False; (c) True; (d) False.
6. (a) False; (b) True; (c) True; (d) True.
7.  $x^{-3} = \frac{8}{125}$ .
8. Graph III.
9.  $f(g(x)) = 4x^2 + 4x - 3$ .
10.  $\log(x\sqrt{x}) = \frac{27}{2}$ .