Practice worksheet | Functions and straight-line graphs

Function notation and evaluating rules

Name: _____ Date: _____

6 questions | 12 marks

1. For $f(x) = 4x - 7$, find $f(3)$. [2 marks]

2. For $f(x) = x^2 - 5x$, find $f(-2)$. [2 marks]

3. If $p(x) = 2x + 5$, simplify $p(a - 3)$. [2 marks]

4. Find the input for which $g(x) = 7x + 2$ has output 30. [2 marks]

5. Let $r(x) = \frac{12}{x+1}$. Find $r(2)$ and state an input that cannot be used. [2 marks]

6. A delivery fee is $C(d) = 5 + 1.8d$ dollars for d kilometres. Find and interpret $C(10)$. [2 marks]