

Name : _____

Domain and Range - Function

Write the domain and range of each function.

1) $f(x) = \frac{2}{\sqrt{4x - 12}}$

2) $f(x) = 2x^3 - 5$

Domain : _____

Domain : _____

Range : _____

3) $f(x) = -|3x - 7|$

Domain : _____

Range : _____

5) $f(x) = \sqrt{x - 8} + 3$

Domain : _____

Domain : _____

Range : _____

Range : _____

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Domain and Range - Function

Write the domain and range of each function.

1) $f(x) = \frac{2}{\sqrt{4x-12}}$

2) $f(x) = 2x^3 - 5$

Domain : _____ **(3, ∞)**

Domain : _____ **(-∞, ∞)**

Range : _____ **(0, ∞)**

Range : _____ **(-∞, ∞)**

3) $f(x) = -|3x-7|$

Domain : _____ **(-∞, ∞)**

Domain : _____ **(-∞, ∞)**

Range : _____ **(-∞, 0]**

Range : _____ **[0, 1)**

5) $f(x) = \sqrt{x-8} + 3$

Domain : _____ **[8, ∞)**

Domain : _____ **(-∞, -1) ∪ (-1, ∞)**

Range : _____ **[3, ∞)**

Range : _____ **(-∞, 0) ∪ (0, ∞)**

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