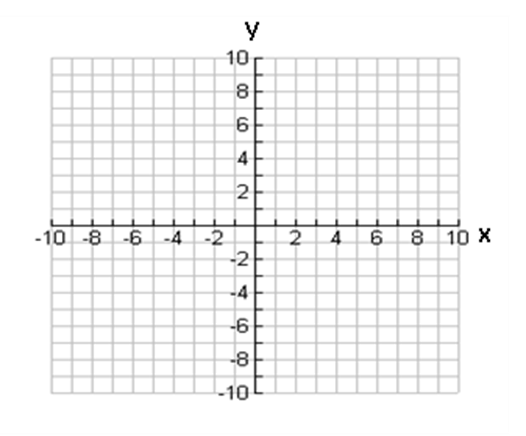
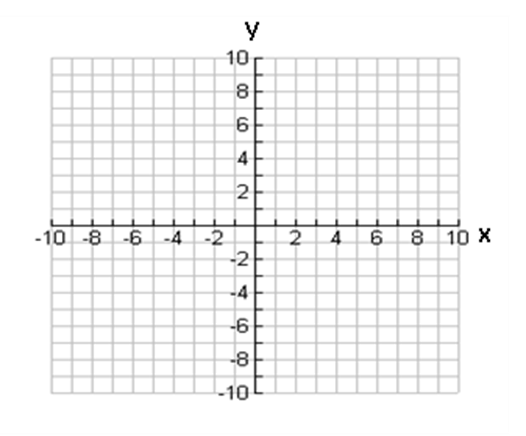
**Grade 11 Overall Review Skills**

**1. Use transformations to graph the following and state the domain and range.**

**a) b)**

|  |  |
| --- | --- |
| **x** |  |
| **0** | **0** |
| **1** | **1** |
| **4** | **2** |
| **9** | **3** |

|  |  |
| --- | --- |
| **x** | **y=|x|** |
| **-2** | **2** |
| **-1** | **1** |
| **0** | **0** |
| **1** | **1** |
| **2** | **2** |

k = k =

d = d =

a = a =

c = c = **Domain: \_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_\_\_ Domain: \_\_\_\_\_\_\_\_\_\_\_ Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. Determine the exact values for each trigonometric ratio.**

**a) tan(45o) b) sin(240o) c) cos(-405o)**

**3. Solve each trigonometric equation;** .

**a) b)**

**4. Solve each exponential equation for x.**

**a)**  **b)**

**5. Simplify each rational expression and state all restrictions (implicit and explicit).**

**a) b)**