

Math C

12.1 Circles part 3 - KEY

State the domain & range of a circle given in general form.

1. Domain: $[-2, 10]$
Range: $[-13, -1]$

2. Domain: $[-5 - \sqrt{21}, -5 + \sqrt{21}]$
Range: $[6 - \sqrt{21}, 6 + \sqrt{21}]$

3. Domain: $[8 - 2\sqrt{2}, 8 + 2\sqrt{2}]$
Range: $[7 - 2\sqrt{2}, 7 + 2\sqrt{2}]$

4. Domain: $[-5 - 3\sqrt{2}, -5 + 3\sqrt{2}]$
Range: $[-1 - 3\sqrt{2}, -1 + 3\sqrt{2}]$

5. Domain: $[-6, 6]$
Range: $[-13, -1]$

6. Domain: $[-\frac{9}{2}, \frac{7}{2}]$
Range: $[-\frac{7}{2}, \frac{9}{2}]$