Area of a segment
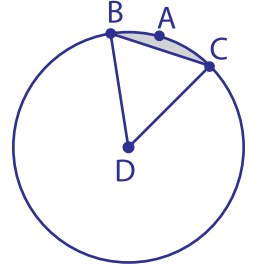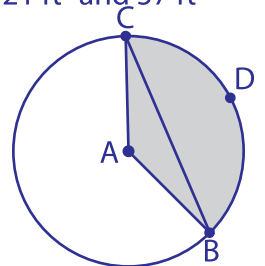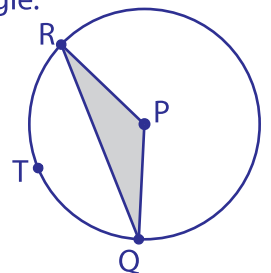
1) The area of a triangle and area of a sector are 255.99 yd² and 299.83 yd² respectively. Calculate the area of the given segment.

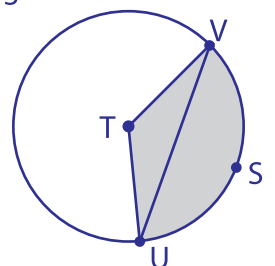_____

2) Find the area of the sector of a circle, if the area of a triangle and area of a segment are 21 ft² and 57 ft² respectively.

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3) The area of a segment is 506 in² and area of a sector is 730 in². Find the area of a triangle.

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4) Find the area of the sector of a circle, if the area of a triangle and area of a segment are given to be respectively 86.16 yd² and 168.97 yd².

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5) The area of a segment is 35 ft² and area of a sector is 107 ft². Find the area of a triangle.

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