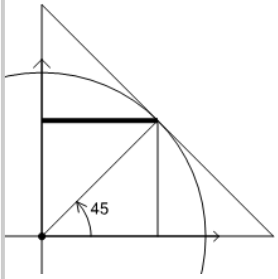
Name

# Trigonemetry, Unit Circle Ratios (Tan, Sec, Csc, Cot) - To Ratio As Inverse (Degrees)

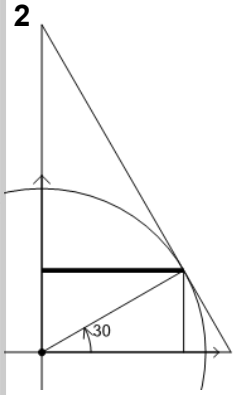
**1**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\cos(45^\circ) = \frac{1}{\csc(45^\circ)}$ | $\cos(45^\circ) = \frac{1}{\sec(45^\circ)}$ |

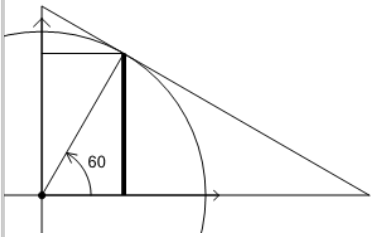
**2**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\cos(30^\circ) = \frac{1}{\csc(30^\circ)}$ | $\cos(30^\circ) = \frac{1}{\sec(30^\circ)}$ |

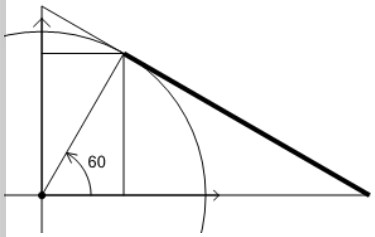
**3**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\cos(60^\circ) = \frac{1}{\sec(60^\circ)}$ | $\sin(60^\circ) = \frac{1}{\csc(60^\circ)}$ |

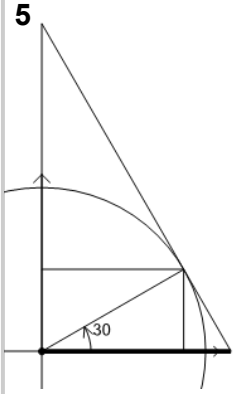
**4**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\cos(60^\circ) = \frac{1}{\sec(60^\circ)}$ | $\tan(60^\circ) = \frac{1}{\cot(60^\circ)}$ |

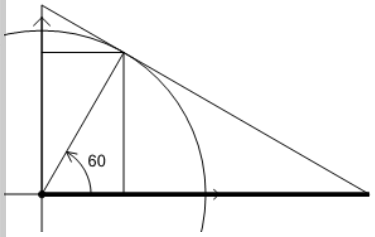
**5**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\sec(30^\circ) = \frac{1}{\cos(30^\circ)}$ | $\sec(30^\circ) = \frac{1}{\sin(30^\circ)}$ |

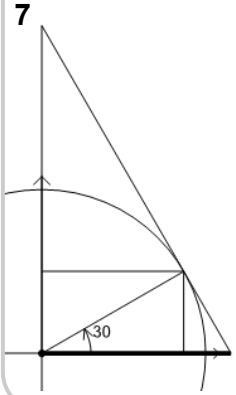
**6**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\sec(60^\circ) = \frac{1}{\cos(60^\circ)}$ | $\sec(60^\circ) = \frac{1}{\sin(60^\circ)}$ |

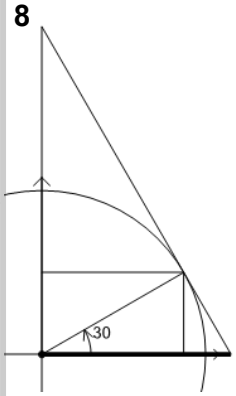
**7**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\csc(30^\circ) = \frac{1}{\sin(30^\circ)}$ | $\sec(30^\circ) = \frac{1}{\cos(30^\circ)}$ |

**8**




What trigonometry ratio gives the highlighted dimension on the unit circle?

| A | B |
|---|---|
| $\sec(30^\circ) = \frac{1}{\sin(30^\circ)}$ | $\sec(30^\circ) = \frac{1}{\cos(30^\circ)}$ |