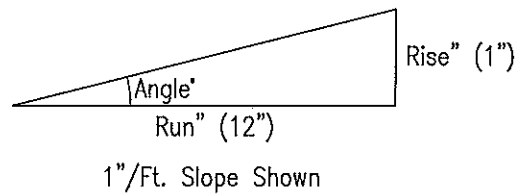


# Slope Percent



$$\text{Rise}''/\text{Run}'' = \text{Tangent of Angle} \quad \text{Tangent of Angle} \times 100 = \text{Slope Percent } (\%)$$

$$\text{INV}(\text{Tangent of Angle}) = \text{Angle}^\circ \quad (\text{Slope Percent}/100) \times 12'' = \text{Rise}''/\text{Ft.}$$

Various Slopes and Slope Percents

Rise''/Ft.	Rise''/12''	Tangent of Angle	Slope Percent	Angle°
¼"/Ft.	0.25"/12''	0.020833	2%	1.1935'
⅜"/Ft.	0.375"/12''	0.031250	3%	1.7899'
½"/Ft.	0.50"/12''	0.041667	4%	2.3859'
⅝"/Ft.	0.625"/12''	0.052083	5%	2.9815'
¾"/Ft.	0.75"/12''	0.062500	6%	3.5763'
1"/Ft.	1.00"/12''	0.083333	8%	4.7636'
1½"/Ft.	1.50"/12''	0.125000	13%	7.1250'
2"/Ft.	2.00"/12''	0.166667	17%	9.4623'
2½"/Ft.	2.50"/12''	0.208333	21%	11.7683'
3"/Ft.	3.00"/12''	0.250000	25%	14.0362'

Normally Slope Percents are rounded to nearest whole degree.

Slope Percents and Run''/Ft.

Slope Percent	%/100	Rise''/Ft.	Angle°
2%	0.020	0.240"/Ft.	1.1458'
4%	0.040	0.480"/Ft.	2.2906'
6%	0.060	0.720"/Ft.	3.4336'