



WORKSHEET 1: HOW TO DETERMINE YOUR LANDSCAPE'S WATER NEEDS (VIDEO 1)

STEP 1: Use this form to create a rough sketch of your property. Be sure to include buildings (home, garage, shed), hardscapes (driveway, sidewalks, patio, deck), and planted areas (grass, vegetable gardens, and perennial/shrubby areas). Break your sketch down into easy-to-measure areas.

AREA NAME:	AREA NAME:
AREA NAME:	AREA NAME:

STEP 2: Measure each area of your landscape from step 1. The easiest way to do this is to break the majority of the area into either a rectangle or circle. Then, estimate the amount of space that is outside the rectangle or circle, e.g. 15%.

You are looking for a good ball park number here, so don't get too caught up on measuring every last inch of each area of your landscape!

AREA NAME: Example	RECTANGLULAR AREA EXAMPLE	CIRCULAR AREA EXAMPLE
	Length of rectangle in feet: 20	Length of diameter in feet: 15
	Width of rectangle in feet: 5	Diameter length \div 2 = 7.5 Radius in feet
	Total area of rectangle: 100 square feet <i>(length x width)</i>	Total area of circle: 7.5 x 7.5 3.14 = 177 square feet <i>(radius x radius x 3.14)</i>
	Amount of area outside the rectangle: .25 <i>(estimate in decimals e.g. 25% = .25)</i>	Amount of area outside the circle: .15 <i>(estimate in decimals e.g. 15% = .15)</i>
	Total area outside the rectangle in: 100 x .25 = 25 square feet <i>(area of rectangle) x (area outside the rectangle)</i>	Total area outside the circle: 177 x .15 = 27 square feet <i>(area of circle) x (area outside the circle)</i>
	Total area to be watered: 100 + 25 = 125 square feet <i>(area of rectangle) + (area outside the rectangle)</i>	Total area to be watered: 177 + 27 = 204 square feet <i>(area of circle) + (area outside the circle)</i>

AREA NAME:	RECTANGLULAR AREA	CIRCULAR AREA
	Length of rectangle in feet:	Length of diameter in feet:
	Width of rectangle in feet:	Diameter length \div 2 = ____ Radius
	Total area of rectangle:	Total area of circle:
	Amount of area outside the rectangle:	Amount of area outside the circle:
	Total area outside the rectangle:	Total area outside the circle:
	Total area to be watered:	Total area to be watered:

AREA NAME:	RECTANGLULAR AREA	CIRCULAR AREA
	Length of rectangle in feet:	Length of diameter in feet:
	Width of rectangle in feet:	Diameter length \div 2 = ____ Radius
	Total area of rectangle:	Total area of circle:
	Amount of area outside the rectangle:	Amount of area outside the circle:
	Total area outside the rectangle:	Total area outside the circle:
	Total area to be watered:	Total area to be watered:

AREA NAME:	RECTANGLULAR AREA	CIRCULAR AREA
	Length of rectangle in feet:	Length of diameter in feet:
	Width of rectangle in feet:	Diameter length \div 2 = ____ Radius
	Total area of rectangle:	Total area of circle:
	Amount of area outside the rectangle:	Amount of area outside the circle:
	Total area outside the rectangle:	Total area outside the circle:
	Total area to be watered:	Total area to be watered:

AREA NAME:	RECTANGLULAR AREA	CIRCULAR AREA
	Length of rectangle in feet:	Length of diameter in feet:
	Width of rectangle in feet:	Diameter length \div 2 = ____ Radius
	Total area of rectangle:	Total area of circle:
	Amount of area outside the rectangle:	Amount of area outside the circle:
	Total area outside the rectangle:	Total area outside the circle:
	Total area to be watered:	Total area to be watered:

STEP 3: Determine the number of gallons needed to water each landscape area an inch. It takes .62 gallons to water one square foot. Use this sheet to determine how many gallons are needed to water each landscape area one inch.

AREA NAME:	TOTAL AREA TO BE WATERED	NUMBER OF GALLONS TO WATER 1 SQUARE FOOT AN INCH	TOTAL NUMBER OF GALLONS NEEDED TO WATER LANDSCAPE AREA AN INCH PER WEEK
<i>Example continued</i>	<i>Rectangle: 125 feet Circle: 204 feet</i>	<i>.62</i>	<i>Rectangle: 78 gallons Circle: 127 gallons</i>
		.62	
		.62	
		.62	
