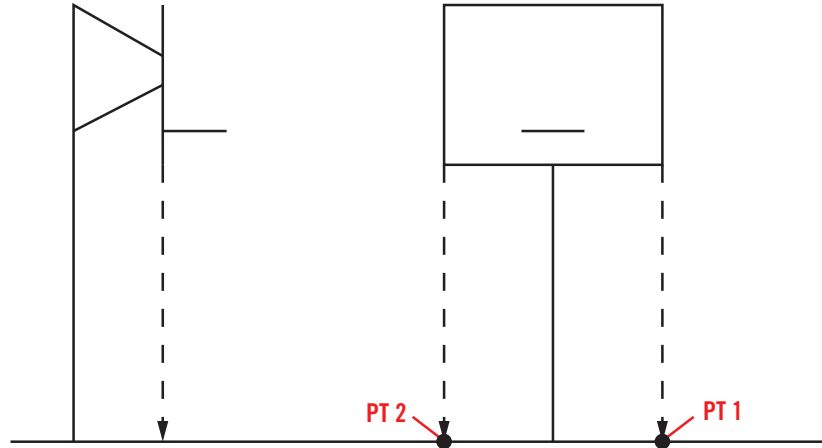
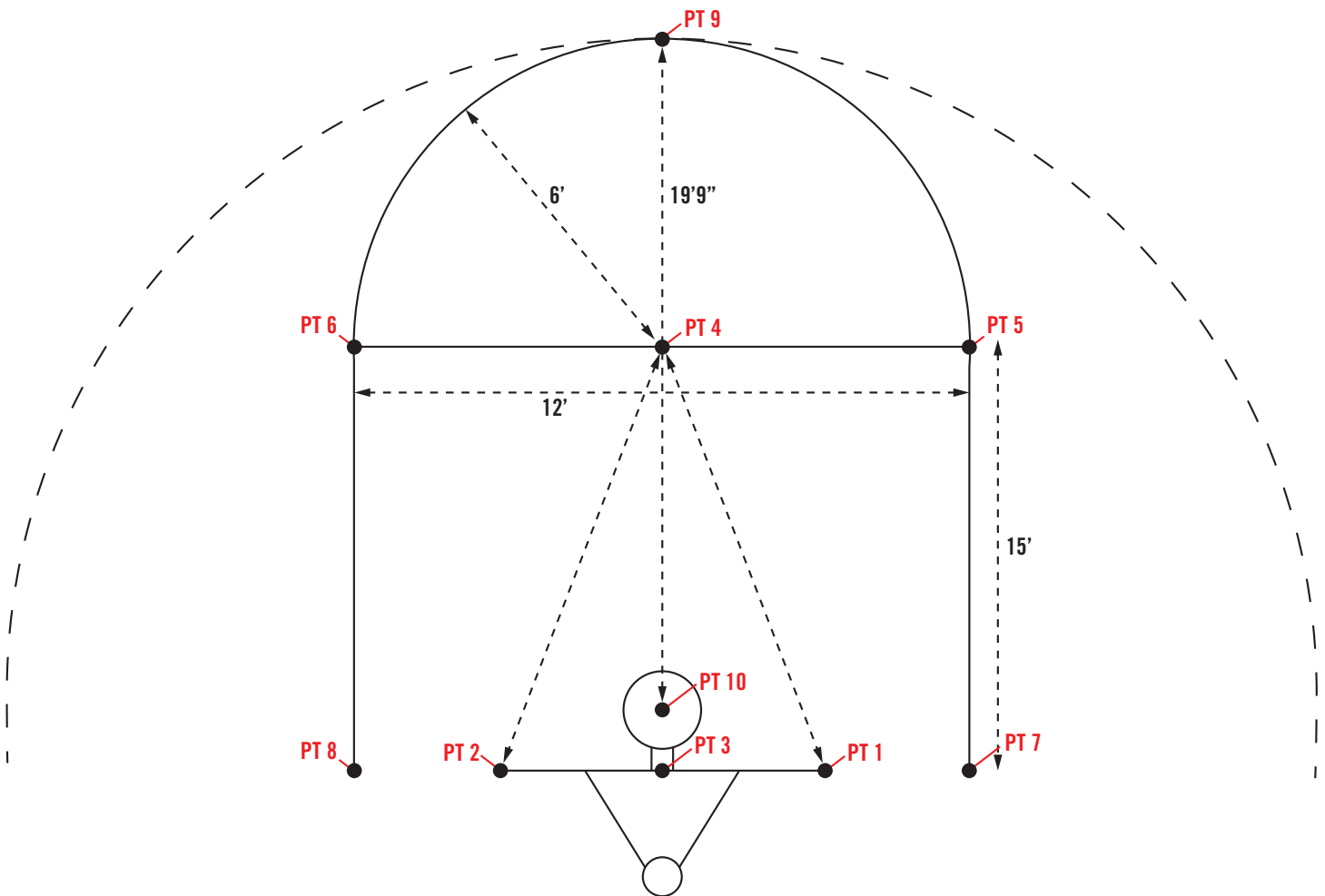


LAYING OUT A BASKETBALL COURT



1. Using a step ladder, hang a plumb bob off each corner of the backboard and make a small pencil mark. These marks are used to “square” the playing key area to the backboard. This is the preferred method, as the edge of the slab may not be square to the back board make sure you hang the plumb bob from exact places on both sides. *See diagram 1* These marks will be PT. 1 and PT. 2.



LAYING OUT A BASKETBALL COURT

2. Measure the distance between PT. 1 and PT. 2 to find the exact center. This will be PT. 3. Make a small pencil mark.
3. Measure 15' from PT. 3 to the free throw line. "Eyeball" where you think it is straight with the hoop. Make a 1" – 2" pencil mark. This will be PT. 4.
4. Using a string line and a pencil, swing an arc from PT. 1 to PT. 4, and PT.2 to PT. 4. This is done by simply holding the string line on PT. 1, and with steady tension on line make a mark where it intersects PT. 4. Repeat from PT. 2 to PT. 4 where the two arcs intersect is the exact center of the free throw line. Adjust PT. 4 to this spot.
5. From PT. 4, measure 6' parallel to the backboard. Make marks on both sides. This will be PT.5 and PT. 6. Repeat this step from PT. 3. This will be PT. 7 and PT. 8.
6. Using a string line, double check that points 8, 2, 3, 1, and 7 are all perfectly straight.
7. Using a chalk line, snap line from PT. 8 to PT. 6 and PT. 7 to PT. 5.
8. Measure from PT. 8 to PT. 6 and readjust PT. 6 to exactly 15'. Repeat from Pt. 7 to PT. 5. Readjust PT. 5 to exactly 15'
9. Using a chalk line, snap line from PT. 6 to PT. 5
10. The baseline of the court is typically 4' behind the backboard. If you have the 4', continue the lines from PT. 6 to PT. 8 and PT. 5 to PT. 7 the additional 4'. If the edge of the slab is there or you have less than 4', you can decide whether or not you want a baseline.
11. To layout the 3 point line, measure from the top of the key (PT. 9) toward the hoop 19' 9". This will be PT. 10. This should be the exact center of the hoop. *Note: 3 point lines: high school and Women's NCAA – 19'9", Men's NCAA – 20'9", NBA 23'9"
12. To mark the 3 point line, determine your length (high school/NCAA women's, NCAA Men's, or NBA). Using a string line and a pencil, wrap string line around pencil to hold it. Have someone hold the other end of string line at PT. 10. **It is important to hold the string line firmly on PT. 10 and allow string to pivot on slab as the line is drawn. With string line taut, start at PT. 10 and swing arc while marking slab with pencil

NOTES

- These measurements are to the outside of the lines. Adjust accordingly to your line taping machine
- Line widths are typically 2"
- Using narrow tape, like 1" wide, is recommended when taping circles/arcs
- On a full court, ensure that both courts are lined up from end to end. Run a string line from post to post to line each side up on center, if needed.