

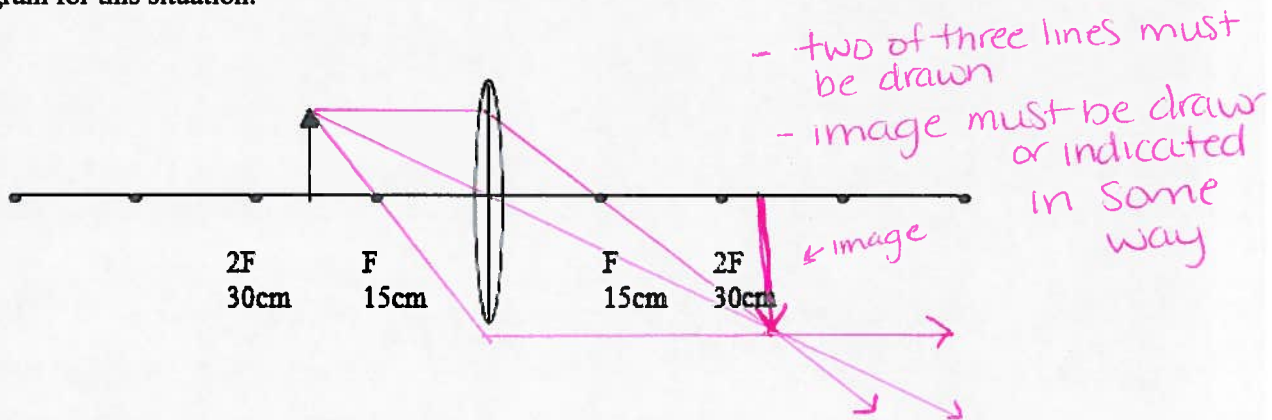
School Name:

Team Number:

**Answer Sheet**

1. <i>C</i>	8. <i>101 cm</i>	11. <i>A</i>	18. <i>A</i>
2. <i>C</i>	9. <i>Violet</i> <i>Indigo</i> <i>Blue</i>	12. <i>magenta</i>	19. <i>C</i>
3. <i>10.4°</i>		13. <i>black</i>	20. <i>50.0°</i>
4. <i>D</i>	Green Yellow Orange	14. <i>A</i>	21. <i>35.2°</i>
5. <i>2.00</i>		15. <i>converging</i>	22. <i><math>5.45 \times 10^{14}</math> Hz</i>
6. <i>B</i>	Red	16. <i>41°</i>	23. <i>414 nm</i>
7. <i>D</i>	10. <i>lens</i>	17. <i>B</i>	24. <i>violet</i>

25. An object is placed 25.0 cm from a convex lens, which has a focal length of 15.0 cm as shown. Draw a ray diagram for this situation.



26. An object is placed 10.0 cm from a concave mirror, which has a focal length of 20.0 cm. Draw a ray diagram for this situation.

