### Lines (Geometry) Practice Test Question Answers

### SET-1

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| **1.**If two lines are intersected by a transversal, then the number of pairs of interior angles on the same side of the transversal is | |
| 🔘 A. 0 | 🔘 B. 1 |
| 🔘 C. 2 | 🔘 D. 3 |
| 🔘 E. 4 | |

**Answers**

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| **2.**In the given figure, find out which pair of lines are parallel. | |
| 🔘 A. GH || KP | 🔘 B. EF || KP |
| 🔘 C. AB || CD | 🔘 D. EF || GH. |
| 🔘 E. NOTA | |

**Answers**

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| **3.**In the following lines, l and m intersect each other at a point. Which of the following is false? | |
| 🔘 A. ∠a = ∠b | 🔘 B. ∠d = ∠c |
| 🔘 C. ∠a + ∠d = 180° | 🔘 D. ∠a = ∠d |
| 🔘 E. NOTA | |

**Answers**

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| **4.**In the following figure POR is a line. The value of a is | |
| 🔘 A. 20° | 🔘 B. 40° |
| 🔘 C. 60° | 🔘 D. 80° |
| 🔘 E. 120° | |

**Answers**

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| **5.**In the following figure POQ is a line. If x = 30°, then **∠**QOR is | |
| 🔘 A. 30° | 🔘 B. 60° |
| 🔘 C. 80° | 🔘 D. 90° |
| 🔘 E. 110° | |

**Answers**

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| **6.**In the following figure, PA || BC || DT and AB || DC. Then, the values of a and b are respectively. | |
| 🔘 A. 50°, 130° | 🔘 B. 30°, 120° |
| 🔘 C. 40°, 90° | 🔘 D. 10°, 110° |
| 🔘 E. 30°, 90° | |

**Answers**

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| **7.** In the following figure,  PQ || SR and SP || RQ. Then, angles a and b are respectively | |
| 🔘 A. | 🔘 B. |
| 🔘 C. | 🔘 D. |
| 🔘 E. | |

**Answers**

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| **8.**In the following figure, lines AB and CD intersect at O. If ∠ AOC + ∠ BOE = 70° and ∠ BOD = 40°, find ∠ BOE | |
| 🔘 A. 30° | 🔘 B. 40° |
| 🔘 C. 50° | 🔘 D. 60° |
| 🔘 E. 70° | |

**Answers**

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| --- | --- |
| **9.**In the following figure, lines AB and CD intersect at O. If ∠ AOC + ∠ BOE = 70° and ∠ BOD = 40°, find ∠ COE | |
| 🔘 A. 60° | 🔘 B. 90° |
| 🔘 C. 150° | 🔘 D. 160° |
| 🔘 E. 250° | |

**Answers**

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| **10.**In the following figure, lines XY and MN intersect at O. If ∠ POY = 90° and a : b = 2 : 3, find c. | |
| 🔘 A. 62**°** | 🔘 B. 96**°** |
| 🔘 C. 126**°** | 🔘 D. 176**°** |
| 🔘 E. 216**°** | |

**Answers**