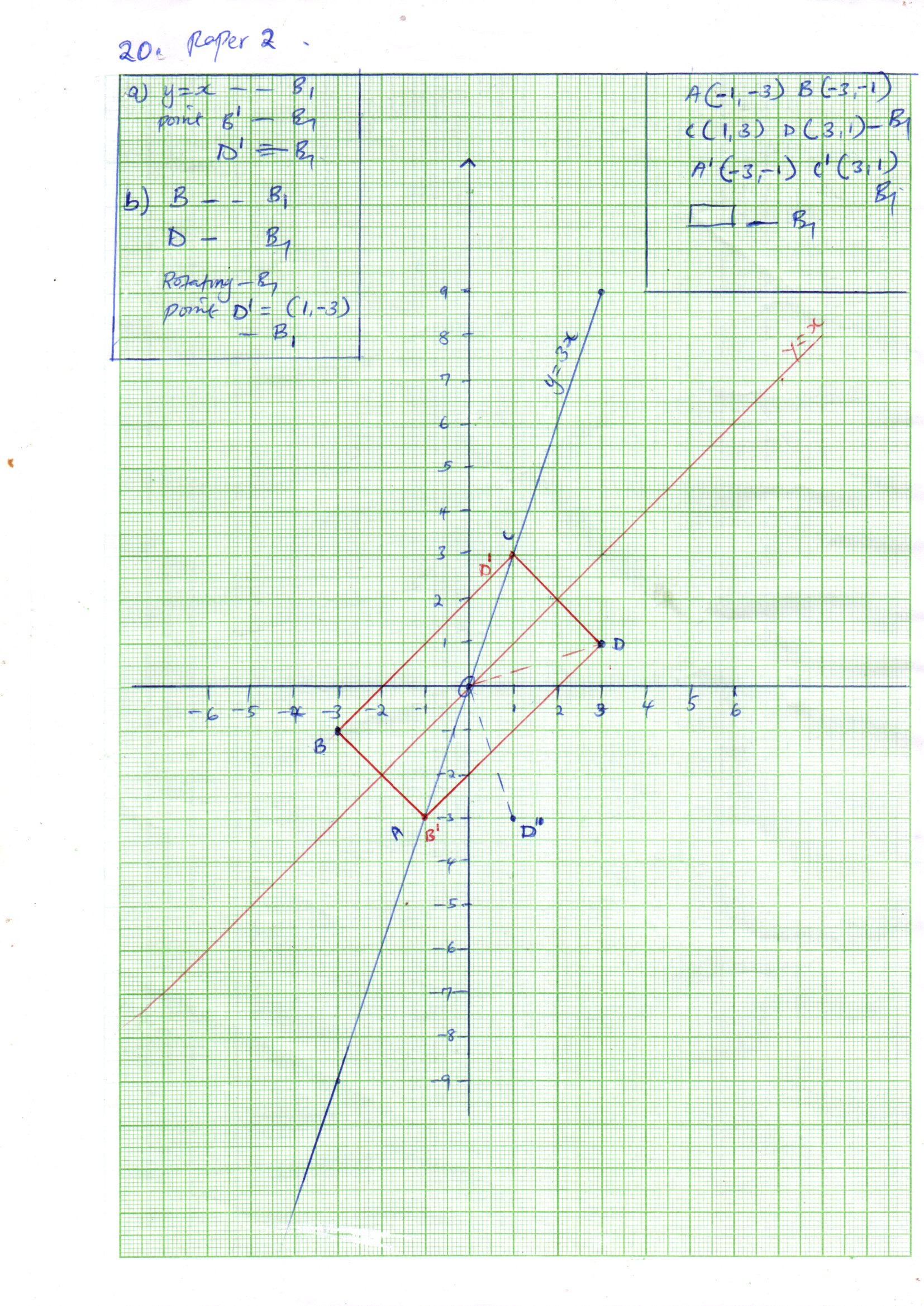
**FORM TWO END TERM 2 MATHEMATICS MARKING SCHEME**

|  |  |  |
| --- | --- | --- |
| **No** | **Working** | **Remarks** |
| 1 | grazing land =  Unused land = | M1  M1  A1 |
| 2 | 1. Area = | B1  M1 A1 |
| 3 | hours = 2 hr 18 mins | B1  M1  A1 |
| 4 |  | M1  A1  B1 |
| 5 | LCM of 30, 45 and 54 = 270  Value of x = | B1  M1  A1 |
| 6 |  | M1  M1  A1 |
| 7 | |  |  |  | | --- | --- | --- | | **No.** | **Standard form** | **Log** | | 0.0246 |  | + | | 142 |  | |  |  | **0.5432** | | 0.02 |  |  | | 1.14 |  | + | |  |  |  | |  |  |  | | Sq. root |  |  | | 12.38 |  |  | | B1... all correct logs  B1 Addition and subtraction  B1…sq. root  A1 |
| 8 | F:\img20211120_15401511.jpg | B2 for triangle  B1 for line bisectors  B1 for circle |
| 9 | Area of triangle =  Area of unshaded sectors =  Area of shaded sector =  Total area of shaded region = | M1  M1  A1 |
| 10 |  | M1  M1  A1 |
| 11 |  | B1  M1  A1 |
| 12 |  | M1  M1  A1 |
| 13 | b) | M1  M1  A1 |
| 14 | = 1.5  A.S.F  Area of larger | M1  M1  A1 |
| 15 | Total surface area = | M1  M1  M1  A1 |
| 16 | Angle subtended by major arc =  Length of an arc | B1  M1  A1 |
| SECTION II | | |
| 17 | 1. =      1. Balance   US dollars  Balance     1. Value on arrival     Value on departure    Difference | M1 M1  A1  B1  M1  M1 A1  B1  M1  A1 |
| 18 | Area of circle centre Q =  Area of segment centre P =      Area of segment centre Q =  Area of minor crescent **k** =  Area of shaded region = | M1 A1  M1 A1  M1  M1  M1  A1  M1 A1 |
| 19 | litres   1. (i)       (ii) | M1  A1  M1  M1  A1  M1  M1  A1  M1 A1 |
| 20 |  |  |



|  |  |  |
| --- | --- | --- |
| 21 | 1. Area of rectangular faces =       Surface area of drilled hole = +      Total surface area =   1. Volume of the cuboid =     Mass = | M1  A1  M1  M1  A1  M1  A1  M1 M1  A1 |